



REG. U.S. PAT. OFF. M.I. RGTRDA NO. 8447

"OUR VERY BEST"


-is-

THE VERY BEST

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To Our Customers

 herewith we present our No. 69 Catalog. With the return of more normal conditions many changes have been made in hardware lines, and we are able to offer a more complete assortment than in several years.

Lists and discounts as explained in the attached slip should enable our customers to solicit orders upon many items not ordinarily carried in stock.

New goods have been added, and in so far as possible changes in design, lists, etc., have been made up to the date of issue.

We have tried to keep our catalog simple and compact, and hope that we have the approval of the trade.

Yours truly,

Hubbard Spencer Barton & Co.

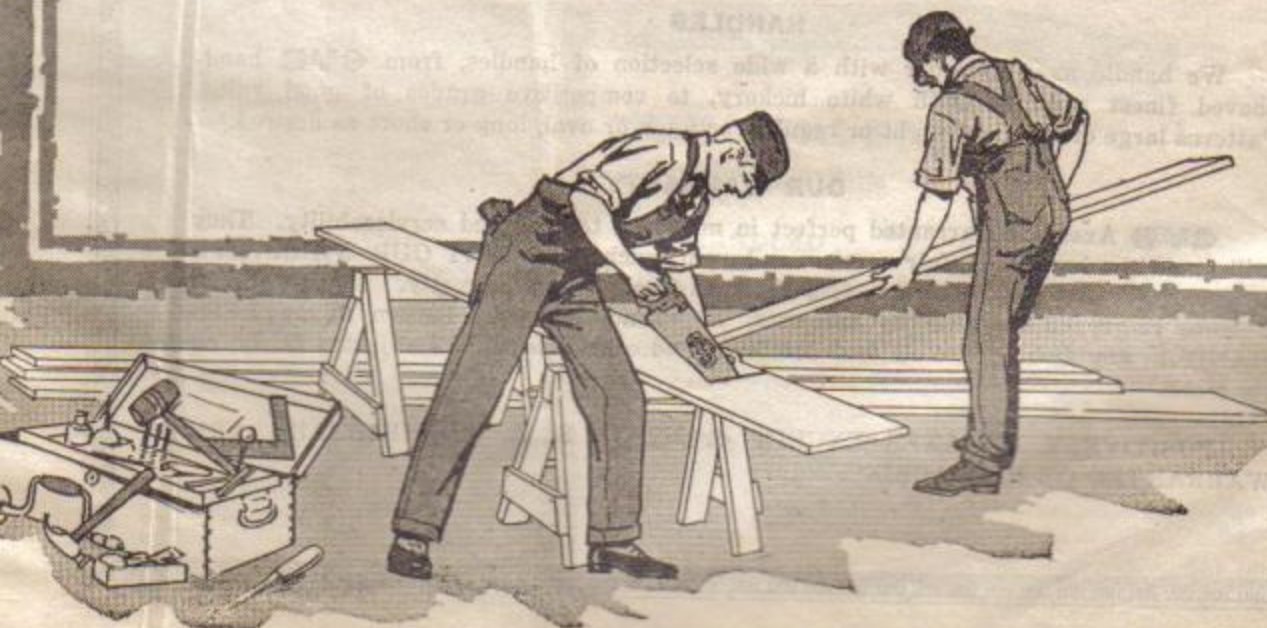
ROSE TOOLS, INC.



Mechanics' Tools

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WELDLESS AXES

ONE PIECE CONSTRUCTION

Eliminating high welding heats, mis-welds, soft body steel and all other faults of old style welded axes, ~~our~~ axes are one-piece from bit to head, with no joint, seam, weld or weakness of any sort.

HIGHEST GRADE STEEL

The result of years of experience and service tests, evolving an axe steel which is a revelation in hardness and toughness.

SPECIAL DOUBLE TEMPER

Careful heat treatment gives extreme toughness and stiffness combined with special tempering at the bit to produce a keen edge, hard yet tough.

LONG SERVICE

Bits are hardened all the way through, 1½ inches back, or more. Can be ground repeatedly without reaching soft temper, thus doubling the life of the axe.

RIGIDITY OF EYE

The toughening of the steel, together with the reinforcing of the eye by our taper-punching process, affords an eye which will never buckle, even under severest service.

HARDENED FACES

Not soft steel as in most axes, but crucible steel. Will stand hard service without battering.

UNIFORMITY OF SHAPE

Patterns are accurate and uniform, not the hit-or-miss patterns resulting from usual guess-work methods.

HANDLES

We handle axes to order with a wide selection of handles, from ~~our~~ hand-shaved finest second-growth white hickory, to competitive grades of good value. Patterns large or small, straight or regular, octagon or oval, long or short as desired.

OUR WARRANTY

~~Our~~ Axes are warranted perfect in material, temper and serviceability. They will stand the hardest of fair service, and even much abuse, BUT OUR WARRANTY DOES NOT COVER ABUSE. ~~Our~~ Axes are ground correctly. If they break because re-ground too thin by the user, we cannot replace. Return to us, LESS HANDLE, any ~~our~~ axe claimed defective, and each case will be adjusted fairly, on its merit.

POSITIVELY NO AXES EXCEPT ~~our~~ U. S. A. AND HIBBARD ARE WARRANTED OR REPLACED.

OYB IVORY BLACK AXES

AXES—Highest Quality Forged Crucible Steel, Smooth Ivory Black Finish with **OYB** Trade Mark Deep Etched in Gold. Carefully Hand Tempered, Keen, Thin-Ground Bits, with Edges Polished and Hand-Honed. Warranted Against Defects in Material and Workmanship. Our Most Practical and Beautiful Finish.

HANDLES—Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging.



OYB SINGLE BIT

MICHIGAN PATTERN

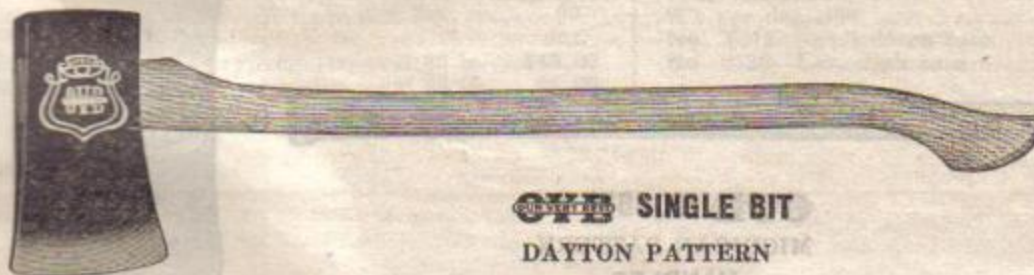
HANDLED

Kind of Handle	W't, Assorted, lbs.	3to4	3½to3¾	3¾to4	3¾to4½	4to5
	W't per doz., lbs.	69	69	72	74	79
No. T011C— OYB hickory, regular, oval 36 in.	per dozen	\$40.00	40.00	41.00	41.00	42.00
No. T011E—Hibbard hickory, regular, oval 36 in.	per dozen	37.00	37.00	38.00	38.00	39.00
No. T011F—Hibbard hickory, regular, octagon 36 in.	per dozen	37.00	37.00	38.00	38.00	39.00
No. T011G—Hibbard hickory, slim, oval 36 in.	per dozen	37.00	37.00	38.00	38.00	39.00
No. T011H—Hibbard slim, oval 33 in.	per dozen	37.00	37.00	38.00	38.00	39.00
No. T011K—Hibbard oak, regular, oval 36 in.	per dozen	36.00	36.00	37.00	37.00	38.00

UNHANDLED

W'ts, Assorted, lbs.	3to4	3½to3¾	3¾to4	3¾to4½	4to5
W't per doz., lbs.	49	49	54	54	59
No. T011—Full dozen case .....per dozen	\$26.00	26.00	27.00	27.00	28.00
No. 011—Less than case .....per dozen	28.00	28.00	29.00	29.00	30.00

ONE DOZEN IN A CASE



OYB SINGLE BIT

DAYTON PATTERN

HANDLED

Kind of Handle	W't, Assorted, lbs.	3¾to4½	4to5	4½to5½
	W't per doz., lbs.	74	79	84
No. T012C— OYB hickory, regular, oval 36 in.	per dozen	\$41.00	42.00	43.00
No. T012E—Hibbard hickory, regular, oval 36 in.	per dozen	38.00	39.00	40.00
No. T012F—Hibbard hickory, regular, octagon 36 in.	per dozen	38.00	39.00	40.00

UNHANDLED

Kind of Handle	W't, Assorted, lbs.	3¾to4½	4to5	4½to5½
	W't per doz., lbs.	54	59	64
No. T012—Full dozen case	per dozen	\$27.00	28.00	29.00
No. 012—Less than case	per dozen	29.00	30.00	31.00

ONE DOZEN IN A CASE

ONE IVORY BLACK AXES

AXES—Highest Quality Forged Crucible Steel, Smooth Ivory Black Finish with **ONE** Trade Mark Deep Etched in Gold. Carefully Hand Tempered, Keen, Thin-Ground Bits, with Edges Polished and Hand-Honed. Warranted Against Defects in Material and Workmanship. Our most Practical and Beautiful Finish.

HANDLES—Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and secure Wedging.



ONE SINGLE BIT

WISCONSIN PATTERN

HANDLED

Kind of Handle	W't, Assorted, lbs.		3 to 3 1/2
	W't per doz., lbs.		64
No. T013C— ONE hickory, regular, oval 36 in.		per dozen	\$40.00
No. T013G—Hibbard hickory, slim, oval 36 in.		per dozen	37.00
No. T013H—Hibbard slim, oval 33 in.		per dozen	37.00
No. T013K—Hibbard oak, regular, oval 36 in.		per dozen	36.00

UNHANDLED

W'ts, Assorted, lbs.		3 to 3 1/2
W't per doz., lbs.		49
No. T013—Full dozen case	per dozen	\$26.00
No. 013—Less than case	per dozen	28.00

ONE DOZEN IN A CASE



ONE DOUBLE BIT

MICHIGAN PATTERN

HANDLED

Kind of Handle	W't, Assorted, lbs.	3 to 4	3 1/2 to 4 1/2	4 to 5
	W't per doz., lbs.	69	74	79
No. T0110L— ONE hickory, regular, oval 36 in.	per dozen	\$48.00	49.00	50.00
No. T0110P—Hibbard hickory, regular, oval 36 in.	per dozen	45.00	46.00	47.00
No. T0110T—Hibbard hickory, slim, oval 36 in.	per dozen	45.00	46.00	47.00

UNHANDLED

W't, Assorted, lbs.		3 to 4	3 1/2 to 4 1/2	4 to 5
W't per doz., lbs.		49	54	59
No. T0110—Full dozen case	per dozen	\$34.00	35.00	36.00
No. 0110—Less than case	per dozen	36.00	37.00	38.00

ONE DOZEN IN A CASE

IVORY BLACK AXES

For Description See Page 3.



DOUBLE BIT

WESTERN PATTERN

HANDLED

Kind of Handle	W't, Assorted, lbs.	3 1/2 to 4 1/2	4 to 5	4 1/2 to 5 1/2
No. T0120L—Hickory, regular, oval 36 in.	W't per doz., lbs.	74	79	84
No. T0120P—Hibbard hickory, regular, oval 36 in.	per dozen	\$49.00	50.00	51.00
		46.00	47.00	48.00

UNHANDLED

W't, Assorted, lbs.	3 1/2 to 4 1/2	4 to 5	4 1/2 to 5 1/2
W't per doz., lbs.	54	59	64
No. T0120—Full dozen case	per dozen	\$35.00	36.00
No. 0120—Less than case	per dozen	37.00	38.00
		39.00	

ONE DOZEN IN A CASE



DOUBLE BIT

WISCONSIN PATTERN

HANDLED

Kind of Handle	W't, Assorted, lbs.	3 1/2 to 3 3/4
W't per doz., lbs.	69	
doz.		

No. T0130L—Hickory, regular, oval 36 in.	\$48.00
No. T0130T—Hibbard hickory, slim, oval 36 in.	45.00

UNHANDLED

W't, Assorted, lbs.	3 1/2 to 3 3/4
W't per doz., lbs.	49
No. T0130—Full dozen case	per dozen \$34.00
No. 0130—Less than case	per dozen 36.00

ONE DOZEN IN A CASE



DOUBLE BIT

CALIFORNIA REVERSIBLE PATTERN

HANDLED

Kind of Handle	W't, Assorted, lbs.	3 1/2 to 4 1/2
W't per doz., lbs.	74	
doz.		

No. T0140L—Hickory, regular, oval 36 in.	\$49.00
No. T0140P—Hibbard hickory, regular, oval 36 in.	46.00

UNHANDLED

W't, Assorted, lbs.	3 1/2 to 4 1/2
W't per doz., lbs.	54
No. T0140—Full dozen case	per dozen \$35.00
No. 0140—Less than case	per dozen 37.00

ONE DOZEN IN A CASE

OYE BLUE BEVELED AXES

AXES—Highest Quality Forged Crucible Steel, With Full Polished Finish, Except Blue Lacquered "Perfect" Bevels, Labeled, Carefully Hand Tempered, Warranted Against Defects in Material and Workmanship.
HANDLES—Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging.



OYE SINGLE BIT
MICHIGAN PATTERN
HANDLED

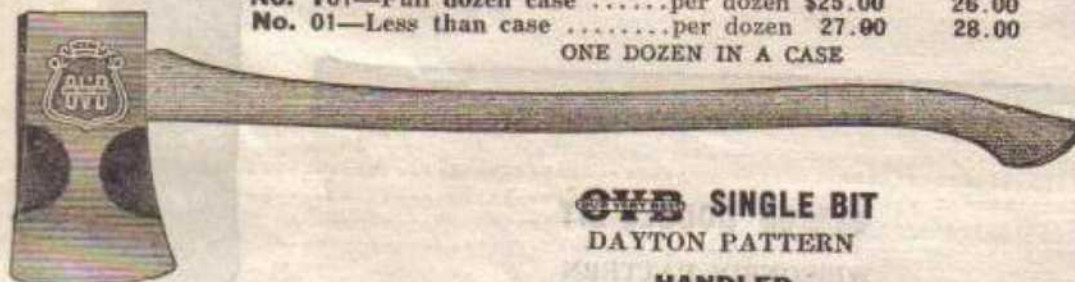


Kind of Handle	W't, Assorted, lbs.		3to4	3½to4½	4to5
	W't per doz., lbs.		69	74	79
No. T01C—OYE hickory, regular, oval 36 in.	per dozen	\$39.00	40.00	41.00	
No. T01E—Hibbard hickory, regular, oval 36 in.	per dozen	36.00	37.00	38.00	
No. T01F—Hibbard hickory, regular, octagon 36 in.	per dozen	36.00	37.00	38.00	
No. T01G—Hibbard hickory, slim, oval 36 in.	per dozen	36.00	37.00	38.00	
No. T01H—Hibbard hickory, slim, oval 33 in.	per dozen	36.00	37.00	38.00	
No. T01K—Hibbard oak, regular, oval 36 in.	per dozen	35.00	36.00	37.00	

UNHANDLED

W't, Assorted, lbs.	3to4	3½to4½	4to5
W't per doz., lbs.	49	54	59
No. T01—Full dozen case	per dozen \$25.00	26.00	27.00
No. 01—Less than case	per dozen 27.00	28.00	29.00

ONE DOZEN IN A CASE



OYE SINGLE BIT
DAYTON PATTERN
HANDLED

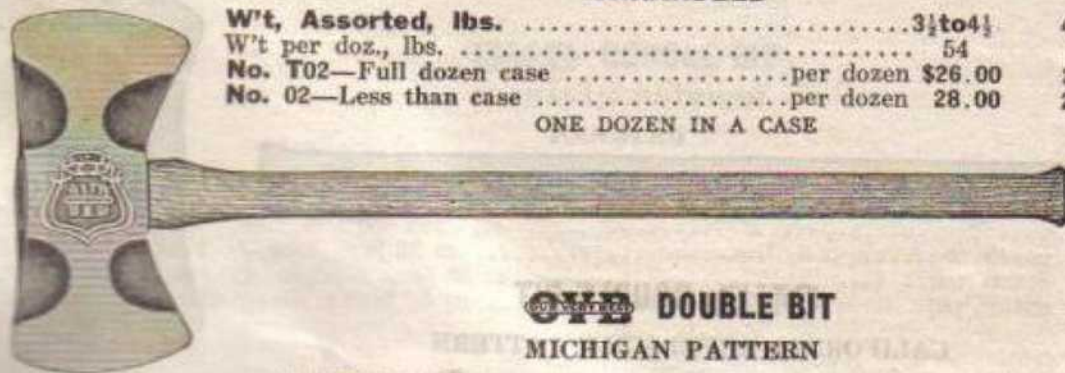


Kind of Handle	W't, Assorted, lbs.		3½to4½	4to5
	W't per doz., lbs.		74	79
No. T02C—OYE hickory, regular, oval 36 in.	per dozen	\$40.00	41.00	
No. T02E—Hibbard hickory, regular, oval 36 in.	per dozen	37.00	38.00	
No. T02F—Hibbard hickory, regular, octagon 36 in.	per dozen	37.00	38.00	
No. T02G—Hibbard hickory, slim, oval 36 in.	per dozen	37.00	38.00	
No. T02K—Hibbard oak, regular, oval 36 in.	per dozen	36.00	37.00	

UNHANDLED

W't, Assorted, lbs.	3½to4½	4to5
W't per doz., lbs.	54	59
No. T02—Full dozen case	per dozen \$26.00	27.00
No. 02—Less than case	per dozen 28.00	29.00

ONE DOZEN IN A CASE



OYE DOUBLE BIT
MICHIGAN PATTERN



Kind of Handle	W't, Assorted, lbs.	3½to4½	4to5	UNHANDLED
	W't per doz., lbs.	74	79	W't, Assorted, lbs.
		doz.	doz.	3½to4½
No. T01L—OYE hickory, regular, oval 36 in.	\$47.00	48.00	49.00	W't per doz., lbs.
No. T01P—Hibbard hickory, regular, oval 36 in.	44.00	45.00	46.00	54
No. T01T—Hibbard hickory, slim, oval 36 in.	44.00	45.00	46.00	doz.
				No. T010—Full doz. case
				\$34.00
				No. 010—Less than case
				36.00

ONE DOZEN IN A CASE

ROSE TOOLS, INC.

U. S. A. AXES

AXES—Forged Steel Body, Extra Quality Crucible Tool Steel Bits, Full Polished, Blued and Etched, Carefully Hand Tempered, and Sharpened Ready for Use. An Axe of exceptional Quality and Handsome Appearance. Packed in Individual Wood Cartons, with Sliding Cover. Warranted against Defects in Material and Workmanship.

HANDLES—Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging.



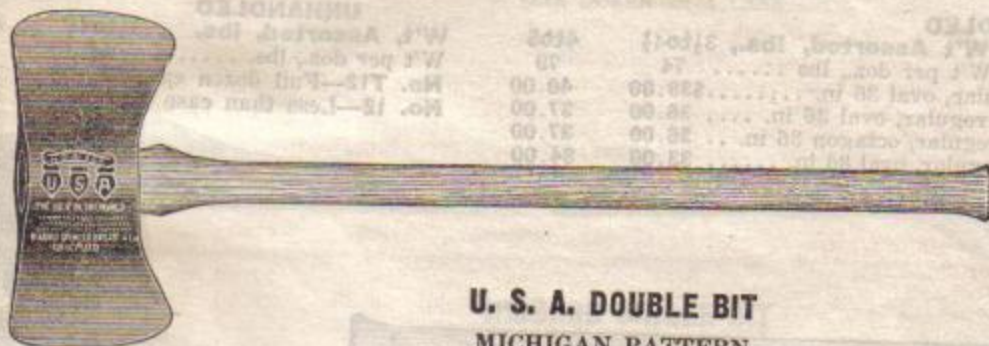
U. S. A. SINGLE BIT MICHIGAN PATTERN HANDLED

Kind of Handle	W't, Assorted, lbs.	3to4	3½to3¾	3¾to4	3¾to4½	4to5
No. T41C—Hibbard hickory, regular, oval 36 in.	W't per doz., lbs.	69	69	72	74	79
No. T41E—Hibbard hickory, regular, oval 36 in.	per dozen	\$40.00	40.00	41.00	41.00	42.00
No. T41F—Hibbard hickory, regular, octagon 36 in.	per dozen	37.00	37.00	38.00	38.00	39.00
No. T41G—Hibbard hickory, slim, oval 36 in.	per dozen	37.00	37.00	38.00	38.00	39.00
No. T41H—Hibbard hickory, slim, oval 33 in.	per dozen	37.00	37.00	38.00	38.00	39.00
No. T41K—Hibbard oak, regular, oval 36 in.	per dozen	36.00	36.00	37.00	37.00	38.00

UNHANDLED

W't, Assorted, lbs.	3to4	3½to3¾	3¾to4	3¾to4½	4to5
W't per doz., lbs.	49	49	52	54	59
No. T41—Full dozen case	per dozen \$26.00	26.00	27.00	27.00	28.00
No. 41—Less than case	per dozen	28.00	28.00	29.00	29.00

ONE DOZEN IN A CASE



U. S. A. DOUBLE BIT MICHIGAN PATTERN

HANDLED

Kind of Handle	W't, Assorted, lbs.	3to4	3½to4½	4to5
No. T410L—Hibbard hickory, regular, oval 36 in.	W't per doz., lbs.	69	74	79
No. T410P—Hibbard hickory, regular, oval 36 in.	per dozen	\$48.00	49.00	50.00
No. T410T—Hibbard hickory, slim, oval 36 in.	per dozen	45.00	46.00	47.00
	per dozen	45.00	46.00	47.00

UNHANDLED

W't, Assorted, lbs.	3to4	3½to4½	4to5
W't per doz., lbs.	49	54	59
No. T410—Full dozen case	per dozen \$34.00	35.00	36.00
No. 410—Less than case	per dozen	36.00	37.00

ONE DOZEN IN A CASE

HIBBARD HAND MADE AXES

AXES—Highest Quality Forged Crucible Steel, With Natural Forged Finish. Carefully Hand Tempered. Warranted Against Defects in Material and Workmanship.

HANDLES—Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging.

HIBBARD SINGLE BIT
MICHIGAN PATTERN
HANDLED

Kind of Handle	W't, Assorted, lbs.	3to4	3½to3¾	3¾to4	3¾to4½	4to5
	W't per doz., lbs.	69	69	72	74	79
No. T11C—OVB hickory, regular, oval 36 in.	per dozen	\$38.00	38.00	39.00	39.00	40.00
No. T11E—Hibbard hickory, regular, oval 36 in.	per dozen	35.00	35.00	36.00	36.00	37.00
No. T11F—Hibbard hickory, regular, octagon 36 in.	per dozen	35.00	35.00	36.00	36.00	37.00
No. T11G—Hibbard hickory, slim, oval 36 in.	per dozen	35.00	35.00	36.00	36.00	37.00
No. T11H—Hibbard hickory, slim, oval 33 in.	per dozen	35.00	35.00	36.00	36.00	37.00
No. T11K—Hibbard oak, regular, oval 36 in.	per dozen	34.00	34.00	35.00	35.00	36.00
No. T11J—Il-a-noy hickory, regular, oval 36 in.	per dozen	32.00	32.00	33.00	33.00	34.00

UNHANDLED

UNHANDLED						
W't, Assorted, lbs.	3to4	3½to3¾	3¾to4	3¾to4½	4to5	
W't per doz., lbs.	49	49	52	54	59	
No. T11—Full dozen case	per dozen	\$24.00	24.00	25.00	25.00	26.00
No. 11—Less than case	per dozen	26.00	26.00	27.00	27.00	28.00

ONE DOZEN IN A CASE

HIBBARD SINGLE BIT
DAYTON PATTERN
HANDLED

Kind of Handle	W't, Assorted, lbs.	3½to4½	4to5
	W't per doz., lbs.	74	79
No. T12C—OVB hickory, regular, oval 36 in.	per dozen	\$39.00	40.00
No. T12E—Hibbard hickory, regular, oval 36 in.	per dozen	36.00	37.00
No. T12F—Hibbard hickory, regular, octagon 36 in.	per dozen	36.00	37.00
No. T12J—Il-a-noy hickory, regular, oval 36 in.	per dozen	33.00	34.00

UNHANDLED

W't, Assorted, lbs.	3½to4½	4to5
W't per doz., lbs.	54	59
No. T12—Full dozen case	\$25.00	26.00
No. 12—Less than case	27.00	28.00

HIBBARD DOUBLE BIT
MICHIGAN PATTERN
HANDLED

Kind of Handle	W't, Assorted, lbs.	3to4	3½to4½	4to5
	W't per doz., lbs.	69	74	79
No. T110L—OVB hickory, regular, oval 36 in.	per dozen	\$46.00	47.00	48.00
No. T110P—Hibbard hickory, regular, oval 36 in.	per dozen	43.00	44.00	45.00
No. T110T—Hibbard hickory, slim, oval 36 in.	per dozen	43.00	44.00	45.00

UNHANDLED

UNHARDED				
Wt. Assorted, lbs.	3to4	3½to4½	4to5	
Wt per doz., lbs.	49	54	59	
No. T110—Full dozen case	per dozen	\$32.00	33.00	34.00
No. 110—Less than case	per dozen	34.00	35.00	36.00

ONE DOZEN IN A CASE

ROSE TOOLS, INC.

HIBBARD BRONZED AXES

AXES—Highest Quality Forged Crucible Steel, Gold Bronzed Body, Polished Bits, Carefully Hand tempered. Warranted Against Defects in Material and Workmanship.

HANDLES—Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging.



**HIBBARD SINGLE BIT
MICHIGAN PATTERN
HANDLED**



Kind of Handle	W'ts, Assorted, lbs.	3to4	3½to3¾	3¾to4	3¾to4½	4to5
No. T31C—Hibbard hickory, regular, oval 36 in.	W't per doz., lbs.	69	69	72	74	79
No. T31E—Hibbard hickory, regular, oval 36 in.	per dozen	\$38.00	38.00	39.00	39.00	40.00
No. T31F—Hibbard hickory, regular, octagon 36 in.	per dozen	35.00	35.00	36.00	36.00	37.00
No. T31G—Hibbard hickory, slim, oval 36 in.	per dozen	35.00	35.00	36.00	36.00	37.00
No. T31H—Hibbard hickory, slim, oval 33 in.	per dozen	35.00	35.00	36.00	36.00	37.00
No. T31K—Hibbard oak, regular, oval 36 in.	per dozen	34.00	34.00	35.00	35.00	36.00
No. T31J—H-a-noy hickory, regular, oval 36 in.	per dozen	32.00	32.00	33.00	33.00	34.00

UNHANDLED

W'ts, Assorted, lbs.	3to4	3½to3¾	3¾to4	3¾to4½	4to5	
W't per doz., lbs.	49	49	52	54	59	
No. T31—Full dozen case	per dozen	\$24.00	24.00	25.00	25.00	26.00
No. 31—Less than case	per dozen	26.00	26.00	27.00	27.00	28.00

ONE DOZEN IN A CASE



**HIBBARD SINGLE BIT
DAYTON PATTERN
HANDLED**



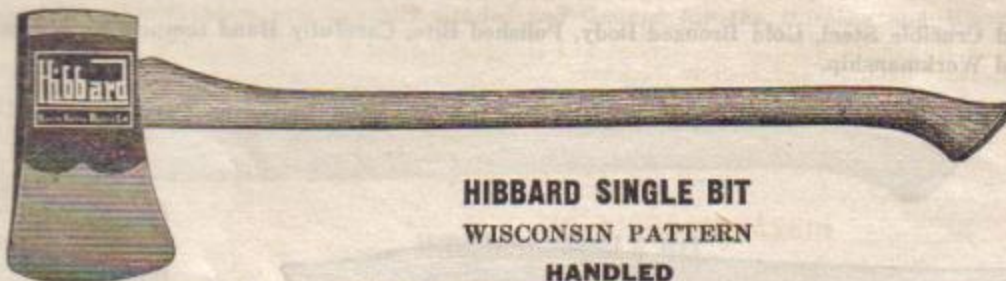
Kind of Handle	W'ts, Assorted, lbs.	3¾to4½	4to5	4½to5½
No. T32C—Hibbard hickory, regular, oval 36 in.	W't per doz., lbs.	74	79	84
No. T32E—Hibbard hickory, regular, oval 36 in.	per dozen	\$39.00	40.00	41.00
No. T32F—Hibbard hickory, regular, octagon 36 in.	per dozen	36.00	37.00	38.00
No. T32J—H-a-noy hickory, regular, oval 36 in.	per dozen	33.00	34.00	35.00

UNHANDLED

W'ts, Assorted, lbs.	3½to4½	4to5	4½to5½	
W't per doz., lbs.	54	59	64	
No. T32—Full dozen case	per dozen	\$25.00	26.00	27.00
No. 32—Less than case	per dozen	27.00	28.00	29.00

ONE DOZEN IN A CASE

HIBBARD BRONZED AXES

HIBBARD SINGLE BIT
WISCONSIN PATTERN

HANDLED

Kind of Handle	W'ts, Assorted, lbs.		3½ to 3½
	W't per doz., lbs.		69
No. T33C—Hibbard hickory, regular, oval 36 in.	per dozen	\$38.00	
No. T33G—Hibbard hickory, slim, oval 36 in.	per dozen	35.00	
No. T33H—Hibbard hickory, slim, oval 33 in.	per dozen	35.00	
No. T33K—Hibbard oak, regular, oval, 36 in.	per dozen	34.00	

UNHANDLED

W'ts, Assorted, lbs.	3½ to 3½
W't per doz., lbs.	49
No. T33—Full dozen case	per dozen \$24.00
No. 33—Less than case	per dozen 26.00

ONE DOZEN IN A CASE

HIBBARD SINGLE BIT
SOUTHERN KENTUCKY PATTERN

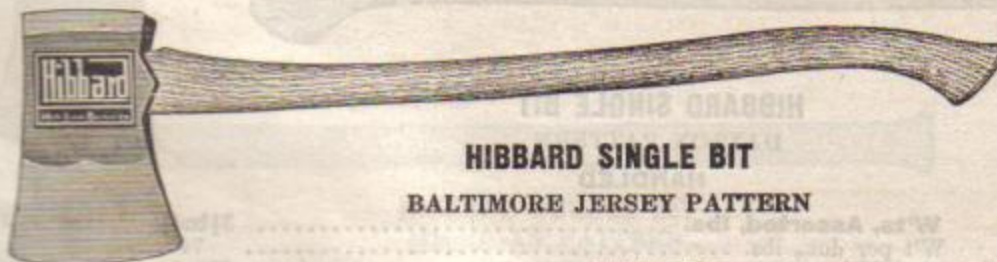
HANDLED

Kind of Handle	W'ts, Assorted, lbs.	3½ to 4½	4 to 5	4½ to 5½
	W't per doz., lbs.	74	79	84
No. T34E—Hibbard hickory, regular, oval 36 in.	per dozen	\$36.00	37.00	38.00
No. T34F—Hibbard hickory, regular, octagon 36 in.	per dozen	36.00	37.00	38.00
No. T34J—Ill-a-noy hickory, regular, oval 36 in.	per dozen	33.00	34.00	35.00

UNHANDLED

W'ts, Assorted, lbs.	3½ to 4½	4 to 5	4½ to 5½
W't per doz., lbs.	54	59	64
No. T34—Full dozen case	per dozen \$25.00	26.00	27.00
No. 34—Less than case	per dozen 27.00	28.00	29.00

ONE DOZEN IN A CASE

HIBBARD SINGLE BIT
BALTIMORE JERSEY PATTERN

HANDLED

Kind of Handle	W'ts, Assorted, lbs.	3½ to 4½	4 to 5	4½ to 5½
	W't per doz., lbs.	74	79	84
No. T36E—Hibbard hickory, regular, oval 36 in.	per dozen	\$36.00	37.00	38.00
No. T36F—Hibbard hickory, regular, octagon 36 in.	per dozen	36.00	37.00	38.00
No. T36J—Ill-a-noy hickory, regular, oval 36 in.	per dozen	33.00	34.00	35.00

UNHANDLED

W'ts, Assorted, lbs.	3½ to 4½	4 to 5	4½ to 5½
W't per doz., lbs.	54	59	64
No. T36—Full dozen case	per dozen \$25.00	26.00	27.00
No. 36—Less than case	per dozen 27.00	28.00	29.00

ONE DOZEN IN A CASE

HIBBARD BRONZED AXES

AXES—Highest Quality Forged Crucible Steel, Gold Bronzed Body, Polished Bits, Carefully Hand Tempered. Warranted Against Defects in Material and Workmanship.
HANDLES—Our Handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging.



HIBBARD DOUBLE BIT

MICHIGAN PATTERN

HANDLED

Kind of Handle	W't, Assorted, lbs.	3to4	3½to4½	4to5
	W't per doz., lbs.	69	74	79
No. T310L—Hibbard hickory, regular, oval 36 in.	per dozen	\$46.00	47.00	48.00
No. T310P—Hibbard hickory, regular, oval 36 in.	per dozen	43.00	44.00	45.00
No. T310T—Hibbard hickory, slim, oval 36 in.	per dozen	43.00	44.00	45.00

UNHANDLED

W't, Assorted, lbs.	3to4	3½to4½	4to5
W't per dozen, lbs.	49	54	59
No. T310—Full dozen case	per dozen \$32.00	33.00	34.00
No. 310—Less than case	per dozen	35.00	36.00

ONE DOZEN IN A CASE



HIBBARD DOUBLE BIT

WESTERN PATTERN

HANDLED

Kind of Handle	W't, Assorted, lbs.	3½to4½	4to5
	W't per doz., lbs.	74	79
No. T320L—Hibbard hickory, regular, oval 36 in.	per dozen	47.00	48.00
No. T320P—Hibbard hickory, regular, oval 36 in.	per dozen	44.00	45.00
No. T320T—Hibbard hickory, slim, oval 36 in.	per dozen	44.00	45.00

UNHANDLED

W't, Assorted, lbs.	3½to4½	4to5
W't per doz., lbs.	54	59
No. T320—Full dozen case	per dozen \$33.00	34.00
No. 320—Less than case	per dozen	35.00

ONE DOZEN IN A CASE



HIBBARD DOUBLE BIT

WISCONSIN PATTERN

HANDLED

Kind of Handle	W't, Assorted, lbs.	3½to4½
	W't per dozen, lbs.	69
No. T330L—Hibbard hickory, regular, oval 36 in.	per dozen	\$46.00
No. T330T—Hibbard hickory, slim, oval 36 in.	per dozen	43.00

UNHANDLED

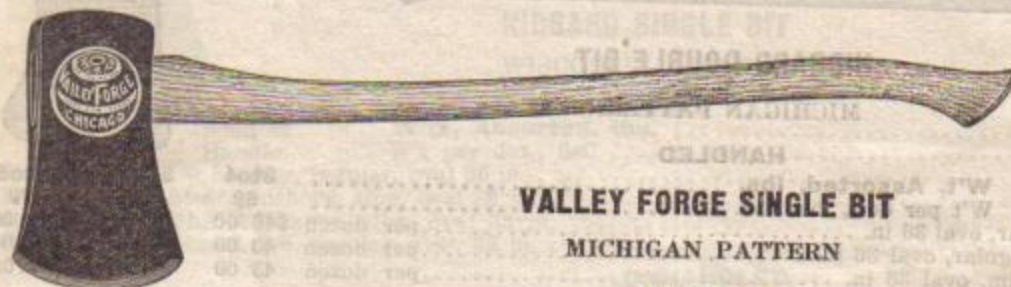
W'ts, Assorted, lbs.	3½to4½
W't per dozen, lbs.	49
No. T330—Full doz. case, per dozen	\$32.00
No. 330—Less than case, per dozen	34.00

ONE DOZEN IN A CASE

VALLEY FORGE AXES

AXES—Good Quality Forged Steel, Black Forge Finish, Well Tempered and Sharpened. A Good Reliable Axe—Will Stand Hard Service, but Because of its Price Cannot be sold with a Warranty.

HANDLES—Our handles are Specially Graded and Gauged for the Purpose and We Guarantee Correct "Hang" and Secure Wedging.



VALLEY FORGE SINGLE BIT
MICHIGAN PATTERN

HANDLED

Kind of Handle	W't, Assorted, lbs.		3to4	3½to4½	4to5
	W't per doz., lbs.		69	74	79
No. T61C—Hibbard hickory, regular, oval 36 in.	per dozen	\$36.00		37.00	38.00
No. T61E—Hibbard hickory, regular, oval 36 in.	per dozen	33.00		34.00	35.00
No. T61F—Hibbard hickory, regular, octagon 36 in.	per dozen	33.00		34.00	35.00
No. T61G—Hibbard hickory, slim, oval 36 in.	per dozen	33.00		34.00	35.00
No. T61K—Hibbard, oak, regular, oval 36 in.	per dozen	32.00		33.00	34.00
No. T61J—H-a-noy hickory, regular, oval 36 in.	per dozen	30.00		31.00	32.00

UNHANDLED

W't, Assorted, lbs.	3to4	3½to4½	4to5
W't per doz., lbs.	49	54	59
No. T61—Full dozen case	per dozen \$22.00	23.00	24.00
No. 61—Less than case	per dozen 24.00	25.00	26.00

ONE DOZEN IN A CASE

VALLEY FORGE DOUBLE BIT
MICHIGAN PATTERN

HANDLED

Handle Kind of	W't per doz., lbs.		3to4	3½to4½	4to5
	W't, Assorted, lbs.		69	74	79
No. T610L—Hibbard hickory, regular, oval 36 in.	per dozen	\$38.00		39.00	40.00
No. T610P—Hibbard hickory, regular, oval 36 in.	per dozen	35.00		36.00	37.00
No. T610T—Hibbard hickory, slim, oval 36 in.	per dozen	35.00		36.00	37.00

UNHANDLED

W't, Assorted, lbs.	3to4	3½to4½	4to5
W't per doz., lbs.	49	54	59
No. T610—Full dozen case	per dozen \$24.00	25.00	26.00
No. 610—Less than case	per dozen 26.00	27.00	28.00

ONE DOZEN IN A CASE

FIREMEN'S HANDLED AXES



extra quality forged crucible tool steel body and pick point, painted red, polished bit, carefully hand tempered. Fitted with 36 in. select hickory handle, painted red.

W't, without handle, lbs.	4	5
W't per doz., handled, lbs.	80	90
No. T7—Full dozen case	per dozen \$37.00	39.00
No. 7—Less than case	per dozen	39.00 41.00

ONE DOZEN IN A CASE

MEN'S HANDLED AXES



CAMP FIRE, Michigan pattern, forged steel, body painted red and labeled, polished bit, with pressed blue bevels. Fitted with 36 in. good grade oval hickory handle. One of our best sellers.

W't, Asst., lbs.	3to4	3½to4½	4to5
W't per doz., handled, lbs.	65	70	75
No. T101J—Full half dozen case,			
per dozen	\$30.00	31.00	32.00
No. 101J—Less than case,			
per dozen	\$32.00	33.00	34.00

ONE DOZEN IN A CASE



CRUSO, Michigan pattern, forged steel, black finish. Fitted with good 36 in. oval hickory handle. Medium quality, not warranted, but a surprising value at the price.

W't, Asst., lbs.	3to4	3½to4½	4to5
W't per doz., handled, lbs.	65	70	75
No. T91S—Full one dozen case,			
per dozen	\$26.00	27.00	28.00
No. 91S—Less than case,			
per dozen	\$28.00	29.00	30.00

ONE DOZEN IN A CASE

MINERS' HANDLED AXES



CRUSO. Yankee pattern, forged steel black finish, fitted with good 26 in. oval hickory straight miners' handle.

W't, Asst., lbs.	3to4	3½to4½
W't per doz., handled, lbs.	63	68
No. T92W—Full dozen case	per dozen \$26.00	27.00
No. 92W—Less than case	per dozen	28.00 29.00

ONE DOZEN IN A CASE

BOYS' HANDLED AXES



bronzed with polished bit, Yankee pattern, solid crucible steel, with 28 in. oval hickory handles.

No. T24—Full half dozen crate	per dozen \$21.00
No. 24—Less than crate	per dozen 23.00

W'T PER DOZEN 35 LBS.
HALF DOZEN IN A CRATE



HIBBARD, black finish. Yankee pattern, solid forged steel, with 28 in. oval hickory handles.

No. T25—Full half dozen crate	per dozen 20.00
No. 25—Less than crate	per dozen 22.00

W'T PER DOZEN 35 LBS.
HALF DOZEN IN A CRATE



CAMP FIRE, good quality forged steel, body painted red, polished bit, pressed blue bevels, with 28 in. white hickory handle.

No. T2—Full half dozen crate	per dozen \$20.00
No. 2—Less than crate	per dozen 22.00

W'T PER DOZEN 35 LBS.
HALF DOZEN IN A CRATE



CRUSO, good quality forged steel, black finish, with 28 in. medium hickory handle.

No. T13—Full half dozen crate	per dozen \$18.00
No. 13—Less than crate	per dozen 20.00

W'T PER DOZEN 35 LBS.
HALF DOZEN IN A CRATE

HOUSE AXES



EVS

Extra quality forged crucible steel, smooth ivory black finish, fitted with extra quality 19 in. hickory handle.

Nos.—EVS	18	19
W't less handle, lbs.	2½	2½
W't per dozen, lbs.	30	39
Per dozen	\$21.00	26.00

HALF DOZEN IN A BOX



No. 17—Cruso, good quality forged steel, black finish, w't less handle 2½ lbs., fitted with medium quality 19 in. hickory handle, w't per dozen 30 lbs.per dozen \$18.50

HALF DOZEN IN A BOX
WE DO NOT BREAK BOXES

SHEATHS AND BELTS



SHEATHS ONLY

Select brown leather sheaths, with belt loops and nickered snap catch, but without belt, w't per doz. about 1½ lbs.

No. 1½—Will fit any of our Scout or Camp axesper dozen \$6.00

BELTS ONLY

Select black leather belts, 1 in. wide, nickered steel buckle, for use with above sheaths.

No. 18—Length 30 in., w't per doz. 1½ lbs.per dozen \$4.50

BOY SCOUT AXES



One of the handiest tools in our line. While originally designed for the youthful scout, these axes have a far larger field of service. No camping or touring equipment is complete without one. They are just right for many uses around the house or yard, and will stand severe service.

Forged from one piece of highest grade crucible steel, with nail-slot. Smooth gun metal black finish. Keen tough-tempered bit. Handle is finest second growth hickory, stained an attractive forest green. Each tool is fully warranted.



AXES ONLY

No. 28 EVS—W't with handle 27 oz., width of cut 3½ in., length of handle over all 14½ in., without sheath or belt, w't per dozen 16 lbs., per dozen\$24.00

HALF DOZEN IN A BOX

AXE WITH SHEATH

No. 28S EVS—Axe, as above, with No. 1½ sheath, without belt, per dozen\$30.00

AXE WITH BELT AND SHEATH

No. 28BS EVS—With No. 1½ sheath and No. 10 belt, per dozen\$34.00

HALF DOZEN IN A BOX

CAMP OR HUNTERS' AXES



Hand forged, black gun-metal finish, one-piece highest grade crucible steel, with select white hickory handles.

No. 21½ EVS—W't with handle 27 oz., 3½ in. cut with 14½ in. handle, w't per dozen 16 lbs., per dozen\$24.00

No. 23 EVS—W't with handle 35 oz., 3½ in. cut, 14½ in. handle, w't per dozen 25 lbs.per dozen \$24.50

HALF DOZEN IN A BOX



No. 23½—Cruso, black finish, solid forged steel, w't with handle 31 oz., 3½ in. cut, with 14½ in. hickory handle, w't per doz. 20 lbs., per dozen\$23.00

HALF DOZEN IN A BOX



Converted cast steel heat treated and tempered, black finish, good hickory handle. Not warranted.

AXES ONLY

No. 20—Calumet, w't ½ lb., 3½ in. with 14 in. Forest-Green stained hickory handle, w't per doz. 20 lbs., per dozen\$12.00

HALF DOZEN IN A BOX
WE DO NOT BREAK BOXES

AXE, WITH SHEATH

No. 20S—Calumet, axe as above, with No. 1½ sheath, without belt, per dozen\$18.00

AXE, WITH BELT AND SHEATH

No. 20BS—Calumet, axes as above, with No. 1½ sheath and No. 10 belt, per dozen\$22.00

HALF DOZEN IN A BOX

BROAD AXES

Extra quality forged tool steel, ivory black rust-proof polished finish, polished face and bevel.

Large, full eye, built to take a stout, husky handle.

Eye very broad, giving a better hold and leverage on the handle. Eye set close to the blade, gives user perfect control of the cutting edge.

Long, narrow blade, carried full to end of cutting edge, the weight evenly distributed. Makes a perfect balance for a true stroke.

A straight edge, laid from top of head to cutting edge, touches the bottom of the eye and cutting edge only. The head set forward slightly, axe cannot bind in the wood.

Ground accurately, with a perfectly straight edge, except that the corners are set forward slightly giving timber spring. Corners cannot catch or gouge.



Improved Canada Pattern, Round Edge, Ridge Bit.

Nos.	67	78
W't, assorted, lbs.	6to7	7to8
Width of cut, in.	10to11	11to12
Per dozen	\$90.00	96.00

BARTON'S, Canada pattern, round edge, extra quality forged steel, black finish, polished face and bevel.

Nos.	75A67	75A78
W't, assorted, lbs.	6to7	7to8
Width of cut, in.	10to11	11to12
Per dozen	\$120.00	130.00

HALF DOZEN IN A CASE



Pennsylvania Pattern, Curved Edge.

Forged steel, black finish, curved edge, polished face and bevel.

No. 670—Assorted 6 to 7 lbs., width of cut 9½ to 10½ in., per dozen \$80.00

HALF DOZEN IN A CASE

CARPENTERS' ADZES



37-10

No. 10—Half head, extra quality forged tool steel, ivory black rust-proof polished finish, assorted 3½ to 4½ in. cut, w't per doz. 48 lbs., per dozen \$32.00

WHITE'S

No. 11½—Half head, extra quality forged steel, black finish, polished bit, assorted 3½ to 4½ in. cut, w't per doz. 48 lbs., per dozen \$60.00

HALF DOZEN IN A CASE

SHIP ADZES

37-30



No. 30—Spur head, extra quality forged tool steel, plain bit, ivory black rust-proof polished finish, assorted 4 to 4½ in. cut, w't per doz. 36 lbs., per dozen \$40.00

WHITE'S

No. 31½—Spur head, extra quality forged steel, black finish, polished bit, assorted 4 to 4½ in. cut, w't per doz. 36 lbs., per dozen \$72.00

HALF DOZEN IN A CASE

RAILROAD ADZES



No. 52—Cruso, Pick eye, special quality forged steel, black hand-forged finish, width of cut 5 in., w't per doz. 66 lbs., per dozen \$20.00

No. 50—Cruso, regular eye, full head, special quality forged steel, black hand-forged finish, width of cut 5 in., w't per doz. 51 lbs., per dozen \$24.00

HALF DOZEN IN A CASE



EYE BRONZED HATCHETS

A line of Hatchets expressly made for the carpenter and builder, whose requirements are most exacting. We would not know where to look for better quality, pattern and construction in any hatchet than we have attained in **EYE**. Each tool is forged from highest quality tool steel, scientifically heat-treated, and tempered to give a cutting edge which is hard, yet tough. So seldom is resharpening required that the **EYE** Hatchets will be found remarkably long-lived.

Each hatchet is fitted with a well-shaped handle of selected white second growth hickory, waxed, with flared end to prevent slipping. The balance or "hang" is correct for easy, fast and accurate work. Heads are beautifully shaped, with smooth, gold-bronzed finish, and highly polished bit and face. A display of these tools in the dealer's window or show case is a joy to behold. **EACH EYE HATCHET IS FULLY WARRANTED.**

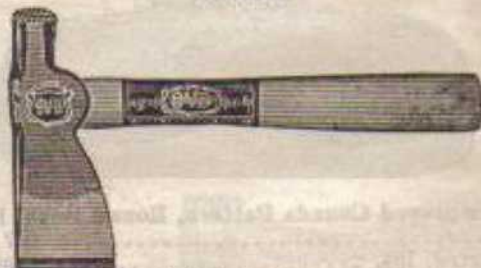
SHINGLING



Nos.	401	402
Size	1	2
Cut, in.	3½	4
W't less handle, oz.	17	23
W't per doz., lbs.	20	26
Per dozen	\$23.00	24.00

HALF DOZEN IN A BOX

LATH



Nos.	431	432
Size	1	2
Cut, in.	2½	2½
W't less handle, oz.	14	17
W't per doz., lbs.	18	20
Per dozen	\$23.00	24.00

Scored Face.

HALF DOZEN IN A BOX

CLAW



Nos.	411	412
Size	1	2
Cut, in.	3½	4
W't less handle, oz.	19	25
W't per doz., lbs.	22	27
Per dozen	\$25.00	26.00

HALF DOZEN IN A BOX

BROAD



Nos.	441	442	443	444
Size	1	2	3	4
Cut, in.	4	4½	5	5½
W't less handle, lbs.	1½	1½	2½	2½
W't per doz., lbs.	25	30	35	40
Per dozen	\$28.00	33.00	36.00	39.00

HALF DOZEN IN A BOX

HALF



Nos.	421	422
Size	1	2
Cut, in.	3½	3½
W't less handle, oz.	15	21
W't per doz., lbs.	20	24
Per dozen	\$24.00	25.00

HALF DOZEN IN A BOX

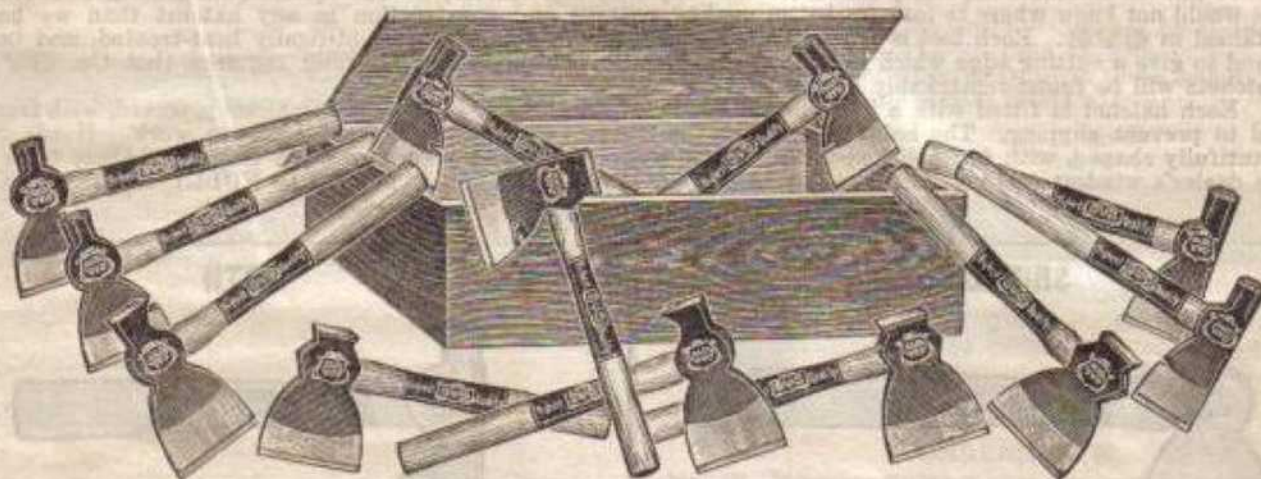
FLOORING



Nos.	451	452
Size	1	2
Cut, in.	3½	4½
W't less handle, lbs.	22	27
W't per doz., lbs.	25	27
Per dozen	\$31.00	34.00

HALF DOZEN IN A BOX

ONE BRONZED HATCHETS
SPECIAL ONE HATCHET ASSORTMENT



A convenient stock assortment for the dealer, in a single case. Made for the expert workman whose requirements are most exacting. We would not know where to look for better quality, pattern and construction in any hatchet than we have attained in **ONE**. Each tool is forged from highest quality tool steel, scientifically heat-treated, and tempered to give a cutting edge which is hard, yet tough. So seldom is resharpening required that the **ONE** Hatchets will be found remarkably long-lived.

Each hatchet is fitted with a well-shaped handle of select white second growth hickory, waxed, with flared end to prevent slipping. The balance or "hang" is correct for easy, fast and accurate work. Heads are beautifully shaped, with smooth, gold-bronzed finish, and highly polished bit and face. A display of these tools in the dealer's window or show case is a joy to behold. **EACH ONE HATCHET IS FULLY WARRANTED.**

No. 462—Case contains 1 dozen No. 402 Shingling, 1 dozen No. 412 Claw, 1 dozen No. 422 Half, 1 dozen No. 432 Lath, 1 dozen No. 442 Broad, and 1/2 dozen No. 452 Flooring; w't per assortment 30 lbs.per assortment \$26.50

ONE ASSORTMENT IN A CASE. WE DO NOT BREAK CASES

**OCTAGON HALF
CAR BUILDERS' PATTERN**



ONE octagon neck, round poll; scored face, for builders, car repairers and general heavy work.

Nos.	0420	0430
Size	2	3
Cut, in.	3 1/2	3 1/2
W't, less handle, oz.	32	36
W't, doz., lbs.	24	27
Per dozen	\$31.00	\$33.00

HALF DOZEN IN A BOX

OCTAGON DERRICK



ONE, octagon neck, round poll, scored face, with special 18-inch flared handle, for rig builders or oil derricks.

No. 0418—Size 2, 3 1/2 in. cut, w't less handle 2 lbs., w't per doz. 32 lbs.per dozen \$33.00

HALF DOZEN IN A BOX

ONE BARREL OR PRODUCE



Light pattern, scored face, with nail slots at lower and upper sides of blade. Pocket size.

No. 0412—2 1/2 in. cut, w't less handle 12 oz., w't per doz. 18 lbs.per dozen \$25.00



Heavy pattern, scored face, with nail slots in lower side of blade and in cutting edge.

No. 0414—2 1/2 in. cut, w't less handle 14 oz., w't per doz. 22 lbs.per dozen \$25.00

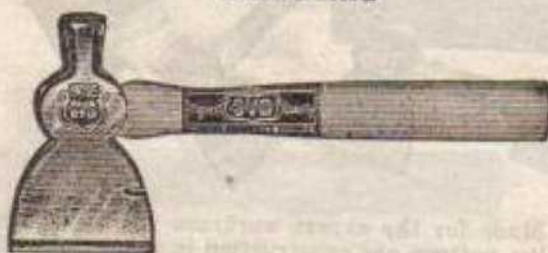
HALF DOZEN IN A BOX

POLISHED HATCHETS

A line of Hatchets expressly made for the carpenter and builder, whose requirements are most exacting. We would not know where to look for better quality, pattern and construction in any hatchet than we have attained in **OSB**. Each tool is forged from highest quality tool steel, scientifically heat-treated, and tempered to give a cutting edge which is hard, yet tough. So seldom is resharpening required that the **OSB** Hatchets will be found remarkably long-lived.

Each hatchet is fitted with a well-shaped handle of select white second growth hickory, waxed, with flared end to prevent slipping. The balance or "hang" is correct for easy, fast and accurate work. Heads are beautifully shaped, with full polished finish, etched with our **OSB** trade-mark. A display of these tools in the dealer's window or show case is a joy to behold. **EACH OSB HATCHET IS FULLY WARRANTED.**

SHINGLING



Nos.	101	102
Size	1	2
Cut, in.	3½	4
W't less handle, oz.	17	23
W't per doz., lbs.	20	26
Per dozen	\$29.00	30.00

HALF DOZEN IN A BOX

CLAW



Nos.	111	112
Size	1	2
Cut, in.	3½	4
W't less handle, oz.	19	25
W't per doz., lbs.	22	27
Per dozen	\$31.50	33.00

HALF DOZEN IN A BOX

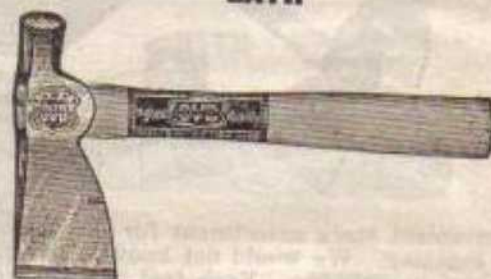
HALF



Nos.	121	122
Size	1	2
Cut, in.	3½	3¾
W't less handle, oz.	15	21
W't per doz., lbs.	20	24
Per dozen	\$30.00	31.50

HALF DOZEN IN A BOX

LATH



Scored Face.

Nos.	131	132
Size	1	2
Cut, in.	2½	2¾
W't less handle, oz.	14	17
W't per doz., lbs.	18	20
Per dozen	\$29.00	30.00

HALF DOZEN IN A BOX

BROAD



Nos.	141	142	143
Size	1	2	3
Cut, in.	4	4½	5
W't less handle, lbs.	1½	1¾	2½
W't per doz., lbs.	25	30	35
Per dozen	\$37.00	40.00	47.00

HALF DOZEN IN A BOX

POLISHED HATCHETS

Highest Quality Forged Tool Steel, Full Polished and Etched, Select White Second Growth Hickory Handle.

SHINGLING



Adze eye, bell poll, for expert interior work.

No. 109—Size 1, 3½ in. cut, w't less handle 16 oz., w't per doz. 20 lbs.
per dozen\$35.00

HALF



Adze eye, bell poll, for expert interior work.

No. 119—Size 1, 3 in. cut, w't less handle 14 oz., w't per doz. 19 lbs.,
per dozen\$35.00

LATH



Adze eye, bell poll, scored face, for expert lathers.

No. 129—Size 1, 2 in. cut, w't less handle 12 oz., w't per doz., 17 lbs.per dozen \$35.00
HALF DOZEN IN A BOX

CALIFORNIA LATH OR BOX



The orange packer's special, yet ideal for expert lathing. Very fine scored head, slightly convex, with beveled end handle. Finest possible steel and workmanship.

No. 84—Cuts 2½ in., number of points 225, size of head 1½x1½ in., w't less handle each, 14 oz., w't per doz. 15 lbs.,
per dozen\$39.00
HALF DOZEN IN A BOX

UNDERHILL LATH

Extra quality forged tool steel, square head, full polished, milled scoring. Tough hard temper, perfect balance, correctly proportioned second growth white hickory handles. In every respect the master lather's ideal.



No. 83—Regular Pattern, 2½ in. cut, 8 rows, 64 points, size of head 1½x1½ in., w't including handle 18 oz., w't per doz. 16 lbs.per dozen \$39.00
HALF DOZEN IN A BOX

UNDERHILL'S

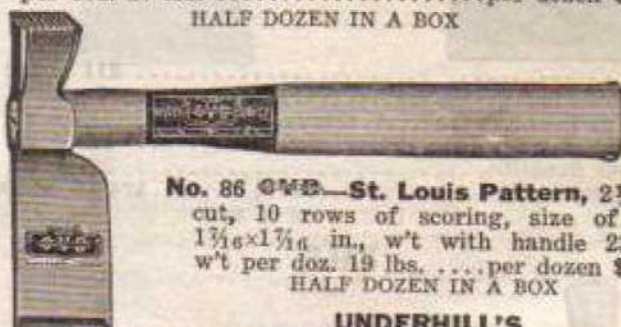
No. 38—Regular Pattern, 2½ in. cut, 8 rows, 64 points, size of head 1½x1½ in., including handle 18 oz., w't per doz. 16 lbs.per dozen \$54.00
HALF DOZEN IN A BOX



No. 85—Chicago Pattern, 2½ in. cut, 9 rows of scoring, size of head 1½x1½ in., w't with handle 19 oz., w't per doz. 17 lbs.,
per dozen\$39.00

UNDERHILL'S

No. 39—Chicago Pattern, 2½ in. cut, 9 rows of scoring, size of head 1½x1½ in., w't with handle 19 oz., w't per doz. 17 lbs.per dozen \$54.00
HALF DOZEN IN A BOX



No. 86—St. Louis Pattern, 2½ in. cut, 10 rows of scoring, size of head 1½x1½ in., w't with handle 23 oz., w't per doz. 19 lbs.per dozen \$41.00
HALF DOZEN IN A BOX

UNDERHILL'S

Nos. 310—St. Louis Pattern, 2½ in. cut, 10 rows of scoring, size of head 1½x1½ in., w't with handle 23 oz., w't per doz. 19 lbs.per dozen \$58.00
HALF DOZEN IN A BOX



No. 312—California Pattern, 2½ in. cut 12 rows of scoring, size of head 1½x1½ in., w't with handle 19 oz., w't per doz. 17 lbs.per dozen \$56.00
HALF DOZEN IN A BOX

HIBBARD CHARCOAL BLACK HATCHETS

Extra Quality Forged Tool Steel, Smooth Charcoal Black Finish, With Select White Hickory Handle.

SPECIAL HIBBARD HATCHET ASSORTMENT

A convenient assortment for the dealer in a single case. Tools of our Hibbard Brand are first quality and fully warranted for exacting service as well as a most attractive in appearance. Made from extra quality forged tool steel, smooth charcoal black finish, with select white hickory handle.

No. 262—Case contains 1 doz. No. 202 Shingling, 1 doz. No. 212, 1 doz. No. 222 Half, 1 doz. No. 232 Lath and 1 doz. No. 242 Broad, w't per assortment 30 lbs. per assortment \$24.00

ONE ASSORTMENT IN A CASE. WE DO NOT BREAK CASES.

SHINGLING



Nos.	201	202
Size	1	2
Cut, in.	3½	4
W't less handle, oz.	17	23
W't per doz., lbs.	20	26
Per dozen	\$21.00	\$23.00

HALF DOZEN IN A BOX

CLAW



Nos.	211	212
Size	1	2
Cut, in.	3½	3½
W't less handle, oz.	19	25
W't per doz., lbs.	22	27
Per dozen	\$24.00	\$25.00

HALF DOZEN IN A BOX

HALF



Nos.	221	222
Size	1	2
Cut, in.	3½	3½
W't less handle, oz.	15	21
W't per doz., lbs.	20	24
Per dozen	\$23.00	\$24.00

HALF DOZEN IN A BOX

LATH



Nos.	231	232
Size	1	2
Cut, in.	2½	2½
W't less handle, oz.	14	17
W't per doz., lbs.	18	20
Per dozen	\$22.00	\$23.00

HALF DOZEN IN A BOX

DERRICK



Scored face, extra heavy, with shoulder for starting nails, specials 18 inch flared handle, for rig builders or oil derricks.

No. 32—Size 3, 3½ in. cut, w't less handle 2 lbs., w't per doz. 35 lbs. per dozen \$33.00

HALF DOZEN IN A BOX

BROAD



Nos.	241	242	243	244
Size	1	2	3	4
Cut, in.	4	4½	5	5½
W't less handle, lbs.	1½	1½	2½	2½
W't per doz., lbs.	25	30	35	40
Per dozen	\$26.00	\$29.00	\$33.00	\$37.00

HALF DOZEN IN A BOX

CRUSO BLACK HATCHETS

Good Quality Forged Steel, Black Finish, Medium Grade Hickory Handle.

SHINGLING



Nos.	601	602
Size	1	2
Cut, in.	3½	4
W't less handle, oz.	17	23
W't per doz., lbs.	20	26
Per dozen	\$15.00	16.00

HALF DOZEN IN A BOX

CLAW



Nos.	611	612
Size	1	2
Cut, in.	3½	4
W't less handle, oz.	19	25
W't per doz., lbs.	22	27
Per dozen	\$17.00	18.00

HALF DOZEN IN A BOX

HALF



Nos.	621	622
Size	1	2
Cut, in.	3½	3¾
W't less handle, oz.	15	21
W't per doz., lbs.	20	24
Per dozen	\$16.00	17.00

HALF DOZEN IN A BOX

LATH



Scored Face.

Nos.	631	632
Size	1	2
Cut, in.	2½	2¾
W't less handle, oz.	14	17
W't per doz., lbs.	18	20
Per dozen	\$15.00	16.00

HALF DOZEN IN A BOX

BROAD



Nos.	641	642	643	644
Size	1	2	3	4
Cut, in.	4	4½	5	5½
W't less handle, lbs.	1½	1½	2½	2½
W't per doz., lbs.	25	30	35	40
Per dozen	\$21.00	23.00	26.00	29.00

HALF DOZEN IN A BOX

Assorted.

A convenient CRUSO hatchet assortment for the dealer in a single case.

No. 662—Case contains ½ dozen each Nos. 602 Shingling, 612 Claw and 632 Lath, also ½ dozen each Nos. 622 Half and No. 642 Broad. W't per assortment 29 lbs.,
Per assortment \$20.00

ONE ASSORTMENT IN A CASE. WE DO NOT BREAK CASES

CALUMET HATCHETS

Converted cast steel, full size, good temper, with white hickory handle, a good household grade, but not suitable for mechanic's use; not warranted.

SHINGLING



Size 2, cut 4 in., w't per doz. 26 lbs.

No. 702—Silver bronze, body, polished head and bit, per dozen\$11.00

No. 62—Natural black steel finish, per dozen\$8.00

HALF DOZEN IN A BOX. WE DO NOT BREAK BOXES

HALF



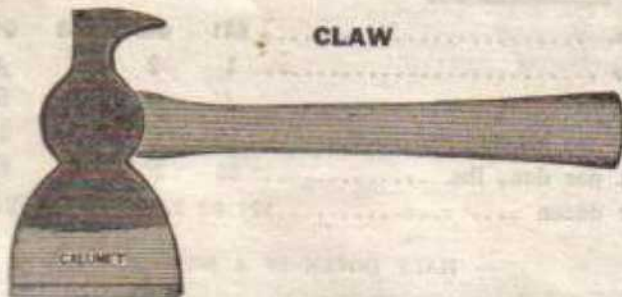
Size 2, cut 3½ in., w't per doz. 24 lbs.

No. 722—Silver bronzed body, polished head and bitper dozen \$11.00

No. 52—Natural black steel finish, per dozen\$8.00

HALF DOZEN IN A BOX. WE DO NOT BREAK BOXES

CLAW



Size 2, cut 4 in., w't per doz. 27 lbs.

No. 712—Silver bronzed body, polished head and bitper dozen \$11.00

No. 72—Natural black steel finish, per dozen\$8.00

HALF DOZEN IN A BOX. WE DO NOT BREAK BOXES

ASSORTED

No. 702—Silver bronzed body, polished head and bit, contains 1 doz. each No. 702 shingling, 722 half and 712 claw in a box, w't per doz. 14 lbs., per assortment \$5.50

No. 62—Natural black steel finish, contains 1 doz. each No. 62 shingling, 52 half and 72 claw in a box, w't per doz. 14 lbs., per assortment \$4.00

BUR-NOR HATCHETS

BUR-NOR, all steel, riveted, with reinforced hollow steel handle, oil-tempered blade, black enameled body, polished bit.

SHINGLING



No. 198—3½ in. cut, w't per doz. 18 lbs., ..per dozen \$11.00

ONE DOZEN IN A BOX. WE DO NOT BREAK BOXES

HALF



No. 199—3½ in. cut, w't per doz. 17 lbs., per dozen \$11.00

ONE DOZEN IN A BOX. WE DO NOT BREAK BOXES

CLAW



This style is used by several leading railroads as standard equipment.

No. 200—3½ in. cut, w't per doz. 20 lbs.,dozen \$14.00

HALF DOZEN, ASSORTED, IN A BOX. WE DO NOT BREAK BOXES

Whatever the price you can afford, we have the best Hatchet for the money.

We would rather sell you the ~~best~~ because it is THE VERY BEST, and couldn't be better at double the price.

But if you MUST consider price, try the REVEROC, first quality black—for hard service, the CRUSO, standard quality black—for all ordinary uses, the CALUMET or BURNOR, for light household use or for the woodshed. All are full value for the price we ask.

CLYDE HAMMERS

Steel—Crucible steel of special analysis, proven the best by years of experience, and tested constantly to insure uniformity of composition.

Temper—Tempering and hardening heats regulated automatically by thermometer. Steel of uniform composition, uniformly treated, must give uniformly perfect results.

Faces—Of extreme hardness, yet not brittle, will do the severest work without cracking, denting or breaking down.

Claws—Short, compact, tough, with fine drawn slot, whose sharp knife edge will grip and hold and pull straight any nail which will enter it.



CLYDE NAIL HAMMER HEAD

Sectional cut of **CLYDE** Bell Face Hammer Head, showing eye tapering from both ends towards the center, and Patent Wedge, which locks the handle perfectly. It cannot come out. Notice also the perfect proportions of the head.

Patterns—Embodying the best suggestions of scores of practical mechanics. No "hit or miss" designs, but the best shape in each tool for comfort and efficiency.

Handles—Turned from best second growth white hickory, split, not sawed, insuring straight grain. Made with full grip and slightly flared end will not slip from hand. Wedged with patent wedges, heads and handles never part company.

Finish—A high mirror polish. The artistic stamp and label brand each tool now and always as **CLYDE**.



CLYDE OCTAGON NAIL

Octagon neck, octagon face, full nickel plated and bur-nished head, cherry stained select second growth hickory handles.

Nos.	421½	422
Size	1½	2
Length over all, in.	13	12½
W't less handle, oz.	17	14
W't per doz., lbs.	20	17
Per dozen	\$36.00	34.00

Octagon neck, octagon face, full polished head, select second growth white hickory handles.

Nos.	221½	222
Size	1½	2
Length over all, in.	13	12½
W't less handle, oz.	17	14
W't per doz., lbs.	20	17
Per dozen	\$29.00	27.50



CLYDE TRIPLE CLAW FINISHERS

Solid forged steel, bell face, patent triple claw, full polished, select white hickory handle.

This hammer will pull nails that no other hammer can reach, and draw finishing nails straight out of the wood without using a block under the hammer head and without marring the surface. Pulls nails driven close to corners.

No.	611½
Length over all, in.	13
W't less handle, oz.	16
W't per doz., lbs.	16
Per dozen	\$28.00

ABOVE, HALF DOZEN IN A BOX



CLYDE ADZE EYE NAIL

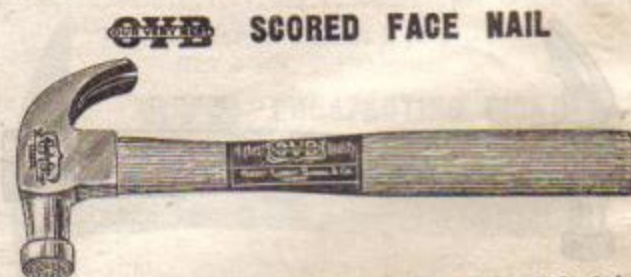
Plain poll, full polished, select second growth white hickory handles.

Nos.	0	1	1½	2
Length over all, in.	14	13½	13	12½
W't less handle, oz.	28	20	16	13
W't per doz., lbs.	26	22	20	15
Per dozen	\$37.00	25.00	23.50	22.00



Bell face, full polished, select second growth white hickory handles.

Nos.	11	11½	12	13	14
Length over all, in.	13½	13	12½	11½	10½
W't less handle, oz.	20	16	13	7	4
W't per doz., lbs.	22	20	15	10	6
Per dozen	\$26.00	25.00	23.50	22.50	22.00



CLYDE SCORED FACE NAIL

Special concentric scored bell face, full polished head, with select second growth, white hickory handle.

No. 321½ —Size 1½, w't less handle 16 oz., w't per doz. 20 lbs.	per dozen	\$25.00
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ABOVE, HALF DOZEN IN A BOX

OYE HAMMERS

OYE—Under this stamp and label we supply a complete line of Hammers, which the experience of many years has proven to be the finest obtainable from any source, whether judged by appearance, ability to stand hard service, or the "hang" and balance which so greatly enhance the ease and speed of operation.

Steel—Each hammer is forged from crucible steel of special analysis, tested constantly to insure uniformity of composition.

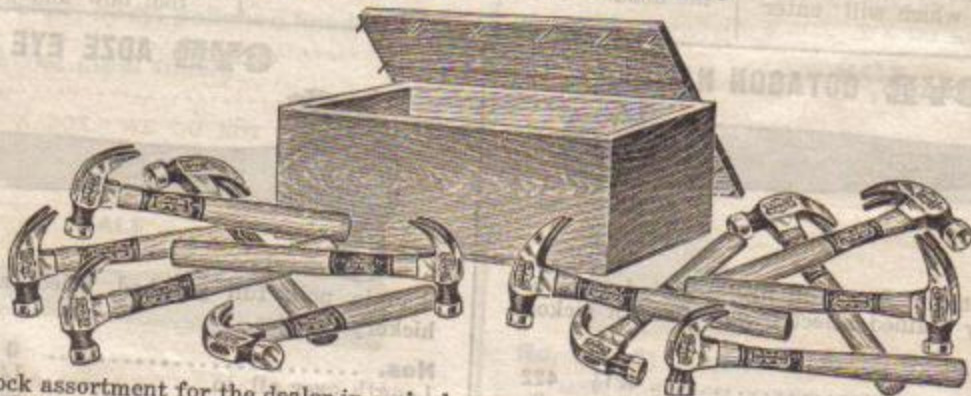
Temper—The tempering and hardening heats are regulated automatically by thermometer, so that definite and perfect uniformity of hardness and toughness results in each tool.

Faces—The striking faces are extremely hard, not brittle, and will do the severest legitimate work without cracking, denting or breaking down.

Patterns—The patterns embody the best suggestions of scores of practical mechanics, and each tool has the shape proven best for comfort and efficiency.

Handles—Handles are turned from the best second growth, white hickory, straight grain, made with full grip and securely wedged.

Finish—Each polished tool has a high mirror polish, while the artistic stamp and label brand each tool now and always as **OYE**.

OYE HAMMER ASSORTMENT

A convenient stock assortment for the dealer in a single case, comprising the best selling items, in proper proportions for quick turnover. Each Hammer fully warranted.

No. 100 OYE Assortment, case contains, $\frac{1}{12}$ doz. No. 421; $\frac{1}{12}$ doz. No. 221; $\frac{1}{12}$ doz. No. 11 and $\frac{1}{12}$ doz. No. 12 **OYE** Nail Hammers and $\frac{1}{12}$ doz. No. 111R **OYE** Ripping Hammers; w't per ass't 20 lbs., per assortment.....

ONE ASSORTMENT IN A CASE. WE DO NOT BREAK\$23.30

**OYE ADZE EYE RIPPING**

Plain poll, full polished, straight claws select second growth white hickory handles.

No. 11R—Size 11, length overall 13 in., w't less handle 16 oz., w't per doz. 20 lbs.....per dozen \$23.50



Full size, full polished, straight claws, select second growth white hickory handles.

No. 11R—Size 11, length over all 13 in., w't less handle 16 oz., w't per doz. 20 lbs.....per dozen \$25.00

HALF DOZEN IN A BOX

OYE FARRIERS

Adze eye, octagon pattern, full polished.

No. 191—Size 3, length over all 13 in., w't less handle 10 oz., w't per doz. 12 lbs.....per dozen \$24.00

HALF DOZEN IN A BOX



Adze eye, highest quality, solid forged steel, round poll, polished, extra select white hickory handle.

No. 192—Length over all 13 in., w't less handle 7 oz., w't per doz. 7 lbs.....per dozen \$21.00

HALF DOZEN IN A BOX

ROSE TOOLS, INC.

OYE HAMMERS

OYE—Under this stamp and lable we supply a complete line of Hammers, which the experience of many years has proven to be the finest obtainable from any source, whether judged by appearance, ability to stand hard service, or the "hang" and balance which so greatly enhance the ease and speed of operation.

Steel—Forged from crucible steel of special analysis, tested constantly to insure uniformity of composition.

Temper—The tempering and hardening heats are regulated automatically by thermometer, so that definite and perfect uniformity of hardness and toughness results in each tool.

Faces—Extremely hard, not brittle, will do severest legitimate work without cracking, denting or breaking down.

Patterns—The patterns embody the best suggestions of scores of practical mechanics, and each tool has the shape proven best for comfort and efficiency.

Handles—Turned from best second growth, white hickory, straight grain, made with full grip and securely wedged.

Finish—Polished high mirror polish, while the artistic stamp and lable brand each tool now and always as **OYE**.

OYE RIVETING



Plain eye, cross pein, full polished.

Nos.	130	131	132	133	134
Size	0	1	2	3	4
Length over all, in.	10	12	12	13	13
W't less handle, oz.	4	7	9	12	15
W't per doz., lbs.	6	9	11	13	16
Per dozen	\$15.00	16.00	16.50	17.00	18.00

HALF DOZEN IN A BOX

OYE RIVETING HAMMER ASSORTMENT

No. 220—Assortment consists of $\frac{1}{12}$ doz. each Nos. 130, 132, 133, 134, and $\frac{1}{6}$ doz. Hammers, w't. per ass't 6 lbs.
per dozen\$16.50
HALF DOZEN IN A BOX. WE DO NOT BREAK BOXES

OYE MACHINISTS'



Ball pein, octagon pattern, tough temper full polished.

Nos.	147	148	149	150	151	152
Size	4-0	3-0	2-0	0	1	2
Length over all, in.	10 $\frac{1}{2}$	10 $\frac{1}{2}$	12 $\frac{1}{2}$	13 $\frac{1}{2}$	14	15
W't less handle, oz.	6	8	12	16	20	24
W't per doz., lbs.	7	8	13	16	21	24
Per dozen	\$18.00	18.00	18.00	19.00	20.00	21.00

OYE MACHINIST HAMMER ASSORTMENT

No. 300—Assortment, consists of $\frac{1}{12}$ doz. Nos. 147 and 152, $\frac{1}{6}$ doz. Nos. 148 and 151, and $\frac{1}{6}$ doz. each Nos. 149 and 150 Machinists' Hammers, w't per ass't 15 lbs.,
per dozen\$16.00
ONE ASSORTMENT IN A CASE. WE DO NOT BREAK CASES

TOUGH TEMPER MACHINISTS'

Ball pein, octagon pattern, tough temper, for extra hard service Smooth black finish, polished ball and face.

Nos.	0152	0153	0154
Size	2	3	4
Length over all, in.	24	16	17
W't less handle, oz.	24	28	32
W't per doz., lbs.	24	28	32
Per dozen	\$19.00	21.00	23.00

THIRD DOZEN IN A BOX

OYE AUTOMOBILE



Highest quality, solid forged tool steel, ball pein, octagon pattern, full polished, extra select white hickory handle.

No. 1490—W't less handle 12 ozs., length of handle 10 in., w't per doz. 12 lbs.per dozen \$16.00
THIRD DOZEN IN A BOX

OYE ENGINEERS' OR BLACKSMITHS'



Cross pein, smooth ivory black finish, octagon face.

Nos.	0181	0182	0183
Size	1	2	3
Length over all, in.	14	15	16
W't less handle, lbs.	2	2 $\frac{1}{2}$	3
W't per doz., lbs.	30	35	40
Per dozen	\$21.00	22.00	24.00

THIRD DOZEN IN A BOX

THIRD DOZEN IN A BOX

OYE BRICK



Smooth ivory black finish, adze eye, square face.

No. 21B—Size 1, w't less handle 1 $\frac{1}{2}$ lbs., w't per doz. 25 lbs.per dozen \$23.00

HALF DOZEN IN A BOX

OYE PROSPECTING PICKS



Adze eye, full polished, hammer face, pick point.

No. 1P—Size 1, length over all 14 in., length of head 7 $\frac{3}{8}$ in., w't less handle 1 lb., w't per doz. 20 lbs.,
per dozen\$29.00
HALF DOZEN IN A BOX

HIBBARD HAMMERS

HIBBARD Hammers are first quality in every particular, and in appearance and quality are fully up to the standard of the best and most widely known brands on the market. In price they will be found always favorable as compared to the ruling market prices on other high grade tools, and the dealer may feature and push this line with confidence that it will make friends for him and bring "repeat" orders.

Each tool is forged from extra quality, crucible steel, hardened and tempered with the utmost care. The patterns are standard, and will meet the approval of expert workmen.

Handles of select white hickory, properly shaped and "hinged"; finish, branding and labeling so attractive as to greatly aid their salability. Each HIBBARD Tool fully warranted against defects in material or workmanship.



ADZE EYE NAIL

Extra quality, solid forged steel, polished, with black neck, select white hickory handle.

Nos.	201	201½
Size	1	1½
Length, over all in.	14	13
W't less handle, oz.	20	16
W't per doz., lbs.	22	18½
Per dozen	\$23.00	21.00

HALF DOZEN IN A BOX



Extra quality, solid forged steel, bell face, polished with black neck, select white hickory handle.

Nos.	211	211½	212	213
Size	1	1½	2	3
Length over all, in.	14	13	12½	12
W't less handle, oz.	20	16	13	7
W't per doz., lbs.	22	18½	15	10
Per dozen	\$23.00	21.00	20.00	19.00

HALF DOZEN IN A BOX



ADZE EYE RIPPING

Bell face, polished, except neck. Extra quality, solid forged steel, polished, with black neck, select white hickory handle.

No. 211½R—Size 1½, length over all 13 in., w't less handle 16 oz., w't per doz. 18½ lbs.	per dozen \$21.00
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HALF DOZEN IN A BOX



FARRIERS'

Adze eye, extra quality, solid forged steel, Boston pattern, polished, select white hickory handle.

No. 262—Length over all 13 in., w't less handle 10 oz., w't per doz. 12 lbs., per dozen	\$24.00
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HALF DOZEN IN A BOX



MACHINISTS'

Ball pein, octagon pattern, polished, with black neck.

Nos.	248	249	250	251	252	253	254
Size	3-0	2-0	0	1	2	3	4
Lght. over all, 12½	12½	13½	14	15	16	17	17
Less hdl., oz.	8	12	16	20	24	28	32
W't doz. lbs.	10	13	16	21	24	27	32
Per dozen	\$16.00	16.00	17.00	18.00	19.00	20.00	21.00

THIRD DOZEN IN A BOX



RIVETING

Plain eye, cross pein, full polished.

Nos.	231	232	233
Size	1	2	3
Length over all, in.	12	12	13
W't less handle, oz.	7	9	12
W't doz., lbs.	9	11	13
Per dozen	\$15.00	15.50	16.00

HALF DOZEN IN A BOX



SHOE

No. 261—Size 1—W't, less handle 13 oz., w't per doz. 15 lbs.	per dozen \$20.00
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HALF DOZEN IN A BOX

BRICK HAMMERS AND SKUTCHES

The Spalling Face has a hard, tough center, and four tough, sharp edges. Special-ty tempered chisel end is thin and sharp, ready for use. The special adze-eye holds handle without wedges, and permits easy removal for re-dressing.



No. 271

No. 271 Hibbard—Brick hammer, size 1, 1½ lbs., length over all 12 in., length of head 8½ in., face 1 in. square, chisel 1½ in. wide, w't per doz. 25 lbs.	per dozen \$21.00
No. 274 Hibbard—Brick skutch, double cutter size 1, 1½ lb., length over all 12 in., length of head 10½ in., chisels 1½ in. wide, w't per doz. 25 lbs.	per dozen \$23.00

HALF DOZEN IN A BOX

COMBINATION AUTO TOOLS



Extra quality solid forged steel head and handle in one piece, with lower end shaped as a tire tool for removing tire from rim. Fluted handle, 10 $\frac{1}{2}$ in. long over all, head 3 $\frac{1}{2}$ in. long. Dull black finish with polished face and ball pein.

No. 2120—Size 2-0, w't each 1 $\frac{1}{2}$ lbs., w't per doz. 17 $\frac{1}{2}$ lbs., per dozen\$9.00

HALF DOZEN IN A BOX

VANADIUM NAIL HAMMERS



VAUGHN'S "UNCLE SAM," made of special Vanadium steel, heat treated and tempered for greatest possible toughness and strength. Inspected and Approved by the Underwriters Laboratories, Inc. Bell face, octagon neck, round poll, with special white hickory octagon neck handle. Each handle has a wax-hole in end for waxing nails to be driven into hardwood. Wedged with patent expansion wedge, which permits re-tightening of handles. Handles are protected by a waxed paper envelope, and hammers packed one in a carton.

Nos.	41	41 $\frac{1}{2}$	42
Size	1	1 $\frac{1}{2}$	2
Length over all, in.	14	13	12 $\frac{1}{2}$
W't, less handle, oz.	20	16	13
W't per doz., lbs.	22	20	15
Per dozen	\$34.80	34.80	34.80

ONE IN A CARTON. HALF DOZEN IN A BOX

MAYDOLE NAIL HAMMERS



Extra quality forged crucible steel, plain poll, regular claw, with shellaced handles of select hickory.

Nos.	101	101 $\frac{1}{2}$
Factory Nos.	1	1 $\frac{1}{2}$
Length, over all, in.	13 $\frac{1}{2}$	13
W't, less handle, oz.	20	18
W't per doz., lbs.	20	18
Per dozen	\$26.00	24.00

HALF DOZEN IN A BOX



Extra quality, forged crucible steel, bell face, regular claw, polished, with shellaced handles of select hickory.

Nos.	111	111 $\frac{1}{2}$	112	112 $\frac{1}{2}$	113
Factory Nos.	11	11 $\frac{1}{2}$	12	12 $\frac{1}{2}$	13
W't, less handle, oz.	20	16	13	10	7
Length, over all, in.	13 $\frac{1}{2}$	13	12 $\frac{1}{2}$	11 $\frac{1}{2}$	..
W't per doz., lbs.	20	17	14	12	8
Per dozen	\$26.00	24.00	22.50	21.00	20.00

HALF DOZEN IN A BOX

MAYDOLE RIPPING HAMMERS



Extra quality, forged crucible steel, bell face, straight claw, polished, with shellaced handles of select hickory.

No. 711 $\frac{1}{2}$ —W't, length over all 13 in., less handle 16 oz., w't per doz. 18 lbs.per dozen \$24.00

HALF DOZEN IN A BOX

CRUSO HAMMERS

Under our Cruso Brand we offer a line of good quality, forged steel Hammers, suitable for all ordinary purposes, and which will be found highly satisfactory for use around the farm, house or shop. While Cruso Tools are neat and attractive in appearance, they have not the high finish or superior grade of handles used in our **CRUSO** or **HIBBARD** tools. Every Cruso Hammer is a surprising value for the price we ask.

PLAIN POLL NAIL



Solid forged steel, plain poll, **black finish**, polished face and claw.

Nos.	041	041½
Length, over all, in.	13	16
W't less handle, oz.	20	13
W't, per dozen, lbs.	22	18
Per dozen	\$11.00	10.00

Solid forged steel, plain poll, **polished finish**, good grade hickory handle.

No. 01½—W't less handle 16 oz., length, over all, 13 in., w't per doz. 18 lbs.per dozen \$16.00

HALF DOZEN IN A BOX

BELL FACE NAIL



Solid forged steel, bell face, **black finish**, polished poll and claw.

Nos.	051½	052	053
Length, over all, in.	13	12½	11½
W't less handle, oz.	16	13	7
W't per doz., lbs.	18	14	10
Per dozen	\$10.00	9.50	9.00

HALF DOZEN IN A BOX. WE DO NOT BREAK BOXES

Solid forged steel, bell face, **polished finish**, black neck, good grade hickory handle.

No. 011½—W't less handle 16 oz., length, over all, 13 in., w't per doz. 18 lbs.per dozen \$16.00

HALF DOZEN IN A BOX

BELL FACE RIPPING



Solid forged steel, straight claw, bell face, **black finish**, polished poll and claw.

No. 15½—W't less handle 16 oz., length, over all, 13 in., w't per doz. 18 lbs.per dozen \$10.00

HALF DOZEN IN A BOX. WE DO NOT BREAK BOXES

MACHINISTS'



Solid forged steel, ball pein, **octagon pattern**, **polished finish**, except black necks, good quality hickory handle.

Nos.	0371	0372	0373
Sizes	000	00	0
Length, over all, in.	12	12	14
W't less handle, lbs.	½	¾	1
W't per doz., lbs.	10	13	16
Per dozen	\$8.00	9.00	10.00

Solid forged steel, ball pein, round pattern, **natural black finish**, except polished ball and face, hickory handle.

Nos.	0374	0375	0376	0377	0378
Sizes	1	2	3	4	5
Length, over all, in.	15½	16	16	17	17½
W't less handle, lbs.	1½	1½	1½	2	2½
W't per doz., lbs.	21	24	27	30	33
Per dozen	\$13.50	14.50	15.50	16.50	17.50

NOS. 0371, 0372 AND 0373, HALF DOZEN; OTHERS THIRD DOZEN IN A BOX. WE DO NOT BREAK BOXES

BLACKSMITHS' OR ENGINEERS'



Solid forged steel, cross pein, octagon face, **natural black finish**, except polished face, hickory handle.

Nos.	0281	0282	0283
Length, over all, in.,	15	15	16
W't less handle, oz.	32	42	48
W't per doz., lbs.	30	39	46
Per dozen	\$16.00	18.00	20.00

THIRD DOZEN IN A BOX. WE DO NOT BREAK BOXES

HANDLED HAMMERS

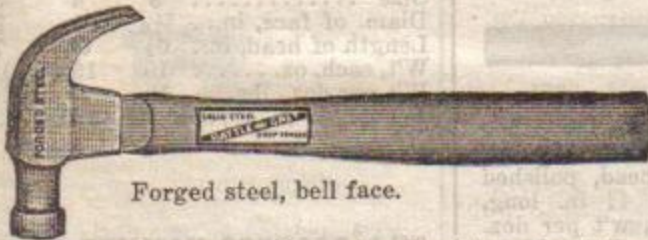
BATTLE GREY NAIL

The Cheapest Good Forged Steel Hammer on the Market. Suitable for all Ordinary Service About the House or Farm. **New galvanized rust proof finish.** Good sound straight-grained handles.



Forged steel, plain poll.

No. 21½—Battle grey, w't less handle, 16 oz., length over all, 13 in., w't per doz. 18 lbs.per dozen **\$10.00**
ONE DOZEN IN A BOX. WE DO NOT BREAK BOXES



Forged steel, bell face.

No. 31½—Battle grey, w't less handle, 16 oz., length over all, 13 in., w't per doz. 18 lbs.per dozen **\$10.00**
HALF DOZEN IN A BOX. WE DO NOT BREAK BOXES



Converted cast steel, bell face, natural black steel finish, except polished poll and top of claws, good hickory handle, not warranted.

No. 71½—W't less handle 16 oz., length over all, 13 in. w't per doz. 18 lbs.per dozen **\$7.00**
ONE DOZEN IN A BOX. WE DO NOT BREAK BOXES

CALUMET BALL PEIN



Converted cast steel, octagon pattern, natural black steel finish, except polished ball and face, hickory handle. Not warranted.

Nos.	803B	802B	801B	81B
Size	000	00	0	1
W't less handle, ozs.	8	12	16	20
W't per doz., lbs.	10	13	16	21
Per dozen	\$4.00	4.00	4.50	5.00

HALF DOZEN IN A BOX. WE DO NOT BREAK BOXES

CAST STEEL NAIL

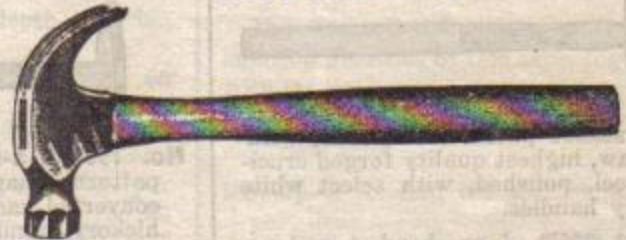


IL-A-NOY

Converted cast steel, bell face, polished finish, except black neck, good hickory handle, not warranted.

No. 61½—W't less handle 16 oz., length over all, 13 in. w't per doz. 18 lbs.per dozen **\$8.00**
HALF DOZEN IN A BOX. WE DO NOT BREAK BOXES

CAST IRON NAIL



Adze eye, octagon poll, nickel plated and buffed, hardwood finished handles.

No. 122—W't less handle 16 oz., w't per doz. 12 lbs., per dozen**\$4.00**
HALF DOZEN IN A BOX. WE DO NOT BREAK BOXES



Adze eye, nickel plated and buffed hardwood finished handles.

Nos.	110	122½	600
W't less handle, oz.	12	16	6
W't per doz., lbs.	9	12	4½
Per dozen	\$3.00	3.60	2.00

HALF DOZEN IN A BOX. WE DO NOT BREAK BOXES

SHOE



Cast iron, japanned, hardwood handle.

No. 91—Japanned Face, weight, each, 13 oz., length of handle, 9 in., w't per doz. 10 lbs.per dozen **\$1.60**

No. 15—Polished Face, weight, each, 15 oz., length of handle, 9 in., w't per doz. 12 lbs.per dozen **\$2.40**
ONE DOZEN IN A BOX. WE DO NOT BREAK BOXES

TACK HAMMERS

No. 10 CVD—5 oz., horseshoe pattern, magnetic, with claw, highest quality forged crucible tool steel, adze eye, polished, with select white hickory handles, head 4½ in. long, length over all 11 in., w't per doz. 6½ lbs.per dozen \$16.00

HALF DOZEN IN A BOX
WE DO NOT BREAK BOXES

No. 310—Hibbard, 5 oz., horseshoe pattern, magnetic, with claw, extra quality forged crucible steel, adze eye, smooth charcoal black finish, with walnut stained hickory handles 4½ in. head length over all 11 in., w't per doz. 6½ lbs., per dozen\$12.00



Horseshoe pattern, magnetic, without claw, highest quality forged crucible steel, polished, with select white hickory handles.

No. 33 CVD—5 oz., head, 4 in. long, length over all 11 in., w't per doz. 6½ lbs.per dozen \$16.00

No. 38 CVD—8 oz., head, 4½ in. long, length over all 11 in., w't per doz. 9½ lbs.per dozen \$18.00

HALF DOZEN IN A BOX
WE DO NOT BREAK BOXES

Horseshoe pattern magnetic without claw, extra quality forged crucible steel, smooth charcoal black finish, with walnut stained hickory handle.

No. 333—Hibbard, 5 oz., head, 4 in. long, length over all 11 in., w't per doz. 6½ lbs.per dozen \$12.00

HALF DOZEN IN A BOX
WE DO NOT BREAK BOXES



No. 32 CVD—5 oz. non-magnetic, with claw, highest quality forged crucible steel, adze eye, polished, with selected white hickory handle, 4½ in. head, length over all 11 in., w't per doz. 6½ lbs. per dozen \$12.00

No. 332 CVD—5 oz. non-magnetic, with claw, extra quality forged crucible tool steel, adze eye, smooth charcoal black finish, with walnut stained hickory handle. 4½ in. head, length over all 11 in., w't per doz. 6½ lbs.per dozen \$10.00

HALF DOZEN IN A BOX

TACK HAMMERS



No. 190—Il-a-noy, 5 oz., horseshoe pattern, magnetic, with claw, converted cast steel head, polished, hickory handle, head 4½ in. long, length over all 11 in., w't per doz. 6 lbs.per dozen \$7.50

HALF DOZEN IN A BOX
WE DO NOT BREAK BOXES

No. 192—Il-a-noy, 5 oz. plain pattern, non-magnetic, with claw, converted cast steel head, polished, hickory handles, head 4½ in. long, length over all 11 in., w't per doz. 6 lbs.per dozen \$6.00



No. 195—Il-a-noy, 5 oz., horseshoe pattern, magnetic, without claw, converted cast steel head, polished hickory handle, head 4½ in. long, length over all 11 in., w't per doz. 6 lbs.per dozen \$7.50

HALF DOZEN IN A BOX
WE DO NOT BREAK BOXES



No. 2—Stanley, magnetic, cast iron head, tinned, ash handle, with steel claw on end, head 4 in. long, length over all 11½ in., w't per doz. 3½ lbs., per dozen\$3.20

ONE DOZEN IN A BOX
WE DO NOT BREAK BOXES



No. 57—Cast iron, 7 oz., nickel plated head, unpolished, plain hardwood handle, head 5½ in. long, length over all 10½ in., w't per doz. 5 lbs., per dozen\$1.60

ONE DOZEN IN A BOX
WE DO NOT BREAK BOXES



No. 25—Standard, cast iron head, polished, hardwood handle with claw on end, head 3½ in. long, length over all 11½ in., w't per doz. 3½ lbs., per dozen\$2.00

ONE DOZEN IN A BOX
WE DO NOT BREAK BOXES

UPHOLSTERERS' HAMMERS



OSBORNE, French Pattern. The finest made, for expert upholsterers who want the best. Solid forged steel one-piece handle and head, full polished and well tempered, with oval handle grip, overlaid with genuine rosewood, riveted on. Length overall, 10½ in.

Nos.	61-3	61-4	61-5
Size	3	4	5
Diam. of face, in.	7/16	1/2	5/8
Length of head, in.	6 1/2	6 3/4	7
W't, each, oz.	15	15 1/2	16
W't per doz., lbs.	12	13	14
Per dozen	\$48.00	48.00	48.00

BILL POSTERS HAMMER HEADS



Horseshoe pattern, highest quality forged crucible steel, strongly magnetized, full polished.

No. 500 CVD—5 oz., without handle, w't per doz. 4½ lbs., per dozen\$15.00

No. 800 CVD—8 oz., without handle, w't per doz. 6½ lbs., per dozen \$12.00

HALF DOZEN IN A BOX

EXTRAS FOR BILL POSTERS HAMMERS



No. 36BJ—Handles, 36 in., jointed, 2 sections, ribbed grip white ash, with polished brass screw socket, per dozen\$24.00

No. 10B—Card Holding Attachments, nickel plated spring steel, with rubber adjusting ring to put on handles for holding card to set first tackper dozen sets \$2.40

LOOSE

TOOL WEDGES



Malleable iron, natural finish.

No. 1742—Light axe, $1\frac{1}{2}$ oz., 2 in. long, $1\frac{1}{16}$ in. deep, head $\frac{5}{16}$ in. wide, w't per gro. $15\frac{1}{2}$ lbs., per gross\$8.00

TWO DOZEN IN A BOX



Malleable iron, natural finish.

No. 1747—Hammer or hatchet, $\frac{1}{2}$ oz., $1\frac{1}{16}$ in. long, $\frac{3}{4}$ in. deep, head $\frac{5}{16}$ in. wide, w't per gro. $4\frac{1}{2}$ lbs., per gross\$5.00

THREE DOZEN IN A BOX



Malleable Iron, Natural Finish.

No. 1705—Hammer, for sizes 0, 1 and $1\frac{1}{2}$ NAIL HAMMERS, cross pattern, wedges the handle against the eye of the tool in **four directions**, a very secure hold; length $1\frac{1}{16}$ in., width $\frac{1}{2}$ in., depth $\frac{3}{4}$ in., w't per gross $3\frac{1}{4}$ lbs.per gross \$1.60
ONE GROSS IN A BOX. WE DO NOT BREAK BOXES

HSB & CO.
REY-O-NOC

We Stand Behind the Brand.

TOOL WEDGES



Malleable iron, natural finish, plain wedge pattern, cross ribbed to hold securely.

No. 1704—Hammer, for sizes 2 and 3 nail hammers, length $\frac{5}{16}$ in., depth $1\frac{1}{16}$ in., w't per gross $1\frac{1}{2}$ lbs., per gross\$1.30

No. 1703—Hammer, for medium and large machinists and riveting hammers, length $\frac{7}{16}$ in., depth $1\frac{1}{16}$ in., w't per gross 1 lb., per gross\$1.00

No. 1702—Hammer, for small machinists and riveting hammers, length $\frac{3}{4}$ in., depth $1\frac{1}{16}$ in., w't per gross $\frac{3}{4}$ lb.per gross \$0.80
ONE GROSS IN A BOX. WE DO NOT BREAK BOXES

Our reputation founded on over sixty-seven years' business stands back of the **REY-O-NOC** brand.

All goods branded **REY-O-NOC** are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling **REY-O-NOC** articles there is a profit for you and satisfaction to your customers.

★ Items Marked Thus ★ Are Shipped From Factory Only.

WHITE MASONS' TAPE



Rubberized Fabric, $\frac{1}{4}$ in. Wide, Similar to Tire Tape.

White Mason tape is used for wrapping the fingers and hands of stone masons, bricklayers, mechanics and kindred trades. Is also used for wrapping tool handles, baseball bats, etc.

The strong friction, wearing and insulating qualities of this tape, together with its light color, makes its particularly adapted for interior work in the electrical line.

No. 2— $\frac{1}{4}$ lb. roll, w't per doz. 3 lbs., per dozen\$3.60
ONE ROLL IN A CARTON; 100 LBS. IN A CASE

AXE RACKS



Can be used on the counter or on the wall by supporting with brackets. For counter use a fine display can be made by placing two racks back to back. The rack is ornamental and attractive, and will save its cost by keeping axes off the floor, away from the dirt and sprinkler.

No. F15 Briggs—Semi-circular, hard wood, painted red, base $22\frac{1}{2} \times 11\frac{1}{2}$ in., height 13 in., holds up to sixteen handled and sixteen unhandled axes, w't each 16 lbs., each★\$7.50
ONE IN A FIBRE SHIPPING CARTON

NOTE—We do not give away Axe Racks as premiums.

STRIKING HAMMERS


Regular or Nevada long pattern, solid forged steel, polished faces, oil finish.

Nos.	863	864	865	866
W't, lbs.	3	4	5	6
Per dozen	\$8.65	11.50	11.50	11.50

Nos.	867	868	8610	8612
W't, lbs.	7	8	10	12
Per dozen	\$13.45	15.35	19.20	23.05

LOOSE



Oregon short pattern, solid forged steel, polished faces, oil finish.

Nos.	874	875	876
W't, lbs.	4	5	6
Per dozen	\$11.50	11.50	11.50

Nos.	877	878	8710	8712
W't, lbs.	7	8	10	12
Per dozen	\$13.45	15.35	19.20	23.05

LOOSE

MASON'S HAMMERS


Solid Forged Steel, Polished Faces
Oil Finish.

Nos.	954	955	956
W't, lbs.	4	5	6
Per dozen	\$17.30	19.80	23.75

BLACKSMITHS' HAND HAMMERS


ENGLISH PATTERN, solid forged steel, polished face, oil finish.

Nos.	2922	2923
W't, lbs.	2	3
Per dozen	\$7.90	9.50

LOOSE

BLACKSMITHS' SLEDGES


Solid forged steel, cross pein, polished face, oil finish.

Nos.	1304	1306	1308
W't, lbs.	4	6	8
Per dozen	\$11.50	11.50	15.35

Nos.	1310	1312
W't, lbs.	10	12
Per dozen	\$19.20	23.05

LOOSE



Solid forged steel, double face, oil finish, polished faces.

Nos.	1604	1606	1608
W't, lbs.	4	6	8
Per dozen	\$11.50	11.50	15.35

Nos.	1610	1612	1614	1616
W't, lb.	10	12	14	16
Per dozen	\$19.20	23.05	26.90	30.70

LOOSE

STONE SLEDGES


Solid forged steel, polished face, oil finish.

Nos.	9210	9212
W't, lbs.	10	12
Per dozen	\$19.20	23.05

LOOSE

WOOD CHOPPERS' MAULS


Oregon pattern, oval eye, solid forged steel, polished face, oil finish.

Nos.	2135	2136	2137	2138
W't, ea., lbs.	5	6	7	8
Per dozen	\$14.40	17.30	20.15	23.05

LOOSE

SHIP OR TOP MAULS


Solid Forged Steel, Polished Faces
Oil Finish.

Nos.	1565	1566
W't, lbs.	5	6
Per dozen	\$16.65	19.95

LOOSE

HSB & Co.
REV-O-NOC

We Stand Behind the Brand.

WOOD CHOPPERS' WEDGES



Forged steel, regular fluted pattern, oil finish.

Nos.	53	54
W't each, lbs.	3	4
Per dozen	\$5.05	6.70
Nos.	55	56
W't each, lbs.	5	6
Per dozen	\$8.40	10.10

LOOSE

No. T10—Assorted, one dozen in a case, 3 to 6 lbs., w't per case about 55 lbs.per case \$8.50

WE DO NOT BREAK ASSORTMENTS.



Forged steel, Truckee pattern, oil finish.

Nos.	153	154
W't each, lbs.	3	4
Per dozen	\$5.40	7.20
Nos.	155	156
W't each, lbs.	5	6
Per dozen	\$9.00	10.80

LOOSE

No. T16—Assorted, one dozen in a case, 3 to 6 lbs., w't per case about 55 lbs.per box \$8.00

WE DO NOT BREAK ASSORTMENTS.



Forged steel, Oregon pattern, oil finish.

Nos.	405	406
W't each, lbs.	5	6
Per dozen	\$10.80	12.95

LOOSE

STAVE WEDGES



Forged steel, Ozark pattern, oil finish.

Nos.	303	304	305
W't each, lbs.	3½	4	4½
Per dozen	\$6.70	7.70	8.65

LOOSE

SAW WEDGES



Forged steel, improved pattern, oil finish.

Nos.	451	452
W't each, lbs.	1½	2
Per dozen	\$4.50	5.50

LOOSE

Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over sixty-seven years' experience stands back of our brands.

COAL MINERS' WEDGES



Alton pattern, oil finish, solid forged crucible steel, well tempered.

Nos.	201½	202	202½
W't each, lbs.	1½	2	2½
Per dozen	\$3.50	4.00	5.00

LOOSE

COAL MINING PICKS



Alton pattern medium eared, oil finish, solid forged crucible steel, well tempered.

Nos.	31½	32
W't each, lbs.	1½	2
Per dozen	\$9.00	10.00
Nos.	33½	33
W't each, lbs.	2½	3
Per dozen	\$11.00	12.00

LOOSE

COAL CUTTING PICKS



Alton pattern medium eared, oil finish, solid crucible steel, well tempered.

Nos.	42	42½
W't each, lbs.	2	2½
Per dozen	\$10.00	11.00
Nos.	43	43½
W't each, lbs.	3	3½
Per dozen	\$12.00	13.00

LOOSE

MATTOCKS



No. 3.

Standard, adze eye, one-piece, high carbon, highest quality forged tool steel, green bronzed, polished bits, extra well tempered and finished.

Short cutter, light, cutter blade 4 in. long, 2½ in. cut, hoe blade 7½ in. long, 3½ in. cut.

No. W24—Full one dozen cases, per dozen\$20.00

No. 24—Less than case, per dozen\$21.00

Short cutter, medium, cutter blade 4½ in. long, 3½ in. cut, hoe blade 8 in. long, 4 in. cut.

No. W35—Full one dozen case, per dozen\$20.00

No. 35—Less than case, per dozen\$21.00

Long Cutter, heavy, cutter blade 6 in. long, 3½ in. cut, hoe blade 8½ in. long, 4½ in. cut.

No. W136—Full one dozen case, per dozen\$21.00

No. 136—Less than case, per dozen\$22.00

ONE DOZEN IN A CASE



No. 16.

Standard, adze eye, extra quality forged steel, oil finish.

Short cutter, light, cutter blade 4 in. long, 2½ in. cut, hoe blade 7½ in. long, 3½ in. cut.

No. W44—Full two dozen case, per dozen\$12.00

No. 44—Less than case, per dozen\$13.00

Short cutter, medium, cutter blade 4½ in. long, 3½ in. cut, hoe blade 8 in. long, 4 in. cut.

No. W55—Full two dozen case, per dozen\$12.00

No. 55—Less than case, per dozen\$13.00

Long cutter, heavy, cutter blade 6 in. long, 3½ in. cut, hoe blade 8½ in. long, 4½ in. cut, w't 6 lbs.

No. W166—Full dozen case, per dozen\$13.00

No. 166—Less than case, per dozen\$14.00

TWO DOZEN IN A CASE

PICK MATTOCKS



Standard, adze eye, extra quality, forged steel, oil finish, pick 8 in. long, blade 8 in. long, 4 in. cut, w't 5 lbs.

No. W145—Full two dozen case, per dozen\$13.00

No. 145—Less than case, per dozen\$14.00

TWO DOZEN IN A CASE

RAILROAD PICKS



Standard, adze eye, one-piece, high carbon, highest quality forged tool steel, green bronzed, polished points, extra well tempered and finished.

Full Dozen Cases.

Nos.	W4056	W4067
W't, lbs.	5 to 6	6 to 7
Length, over all, in.	22 to 24	24 to 25
Per dozen	\$18.00	10.00

Less Than Case.

Nos.	4056	4067
W't, lbs.	5 to 6	6 to 7
Per dozen	\$19.00	20.00

ONE DOZEN IN A CASE

Standard, adze eye, extra quality forged steel, oil finish.

Full Two Dozen Cases.

Nos.	W3045	W3056	W3067	W3078
Length, over all, in.	20 to 22	22 to 24	24 to 25	25 to 27
W't, lbs.	4 to 5	5 to 6	6 to 7	7 to 8
Per dozen	\$10.00	10.50	11.00	12.00

Less Than Case.

Nos.	3045	3056	3067	3078
W't, lbs.	4 to 5	5 to 6	6 to 7	7 to 8
Per dozen	\$11.00	11.50	12.00	13.00

TWO DOZEN IN A CASE

ORE PICKS



Standard, extra quality forged steel, oil finish.

No. 3567—Length, over all, 22 to 24 in., w't assorted 6 to 7 lbs., per dozen\$12.00

TWO DOZEN IN A CASE

DRIFTING PICKS



Standard, extra quality forged steel, oil finish.

Nos.	24	25
Length, over all,	22	24
W't, lbs.	4	5
per dozen	\$12.00	14.00

TWO DOZEN IN A CASE

POLL PICKS



Standard, extra quality forged steel, oil finished.

No. 31—W't each 3½ lbs., length over all 13½ in., per dozen\$12.00

TWO DOZEN IN A CASE

GRUB HOES



Standard, adze eye, one-piece, high carbon, highest quality forged tool steel, green bronzed, polished bit, extra well tempered and finished.

No. 113½—3½ in. bit, length, over all, 10½ in., w't 3½ lbs., per dozen\$16.00

ONE DOZEN IN A CASE

GRUB HOES

Standard, adze eye, extra quality, forged steel, oil finish.

Nos.	03½	13½	024
L'gth, over all, in.	10½	10½	11½
Width of bit, in.	3½	3½	4
W't, lbs.	3	3½	4
Per dozen	\$10.00	10.50	11.00

TWO DOZEN IN A CASE

HAZEL HOES



Standard, adze eye, extra quality, forged steel, oil finish.

No. 54—Round eye, width of bit 6 in., w't 3 lbs., per dozen\$16.00

TWO DOZEN IN A CASE

AXE HANDLES

HICKORY—Made from extra select, clear white second growth hickory, straight grained and carefully seasoned and finished. The highest grade handle, which can be produced.

HIBBARD Oak—Select second growth, handsome dark oak, well finished and durable. The best oak handle on the market.

HIBBARD Hickory—Extra fine quality XX white hickory, straight grained and carefully seasoned, well finished, labeled and packed. A big value at a moderate price.

IL-A-NOY—Splendid value, No. 1 medium grade, tough, durable timber, forest hickory, well seasoned and finished. Will give service equal to many higher priced handles.

CRUSO—Next in rank to the "Il-a-noy," Good strong sound forest hickory, medium grade. All right for ordinary use and a splendid value at the price.

SINGLE BIT, OVAL, REGULAR



HICKORY, finest second growth white hickory, 36 in., w't per doz. 23 lbs.

No. N40—Full dozen carton,
per dozen\$12.00

No. 40—Less than carton,
per dozen\$13.00

HIBBARD, finest dark oak, 36 in.,
w't per doz. 22 lbs.

No. N70—Full dozen carton,
per dozen\$8.00

No. 70—Less than carton,
per dozen\$9.00

HIBBARD XX second growth hickory, 36 in., w't per doz 22 lbs.

No. N11—Full dozen carton,
per dozen\$9.00

No. 11—Less than carton,
per dozen\$10.00

ONE DOZEN IN A CARTON

IL-A-NOY, good quality forest hickory, 36 in., w't per doz. 21 lbs.

No. N240—Full dozen carton,
per dozen\$6.00

CRUSO, sound forest hickory, 36 in.,
w't per doz. 21 lbs.

No. N340—Full dozen carton,
per dozen\$4.00

ONE DOZEN IN A CARTON
WE DO NOT SELL CARTONS

SINGLE BIT, OCTAGON, REGULAR



HICKORY, finest second growth white hickory, 36 in., w't per doz. 23 lbs.

No. N45—Full dozen carton,
per dozen\$12.00

No. 45—Less than carton,
per dozen\$13.00

HIBBARD XX second growth hickory, w't per doz. 22 lbs.

No. N33—36 in., Full dozen carton,
per dozen\$9.00

No. 33—36 in., Less than carton,
per dozen\$10.00

No. N44—33 in., Full dozen carton,
per dozen\$9.00

No. 44—33 in., Less than carton,
per dozen\$10.00

ONE DOZEN IN A CARTON

SINGLE BIT, OVAL, SLIM



HICKORY, finest second growth white hickory, 33 in., w't per doz. 21 lbs.

No. N55—Full dozen carton,
per dozen\$12.00

No. 55—Less than carton,
per dozen\$13.00

HIBBARD XX second growth hickory, 33 in., w't per doz. 20 lbs.

No. N22—Full dozen carton,
per dozen\$9.00

No. 22—Less than carton,
per dozen\$10.00

HIBBARD, finest dark oak, 33 in.,
w't per doz. 20 lbs.

No. N82—Full dozen carton,
per dozen\$8.00

No. 82—Less than carton,
per dozen\$9.00

IL-A-NOY, good quality forest hickory, 33 in., w't per doz. 20 lbs.

No. N250—Full dozen carton,
per dozen\$6.00

No. 250—Less than carton,
per dozen\$6.75

ONE DOZEN IN A CARTON

SINGLE BIT, OVAL, SLIM STRAIGHT



HIBBARD, finest dark oak, 33 in.,
w't per doz. 21 lbs.

No. N80—Full dozen carton,
per dozen\$8.00

No. 80—Less than carton,
per dozen\$9.00

HIBBARD XX second growth hickory, 36 in., w't per doz. 21 lbs.

No. N77—Full dozen carton,
per dozen\$9.00

No. 77—Less than carton,
per dozen\$10.00

ONE DOZEN IN A CARTON

BOYS' SINGLE BIT, OVAL



IL-A-NOY, good quality forest hickory, 28 in., w't per doz. 13 lbs.

No. N241—Full dozen carton,
per dozen\$5.00

No. 241—Less than carton,
per dozen\$6.00

ONE DOZEN IN A CARTON

HANDLES

GYB Hickory—Made from extra select, clear white second growth hickory, straight grained and carefully seasoned and finished. The highest grade handle, which can be produced.

HIBBARD Hickory—Extra fine quality XX white hickory, straight grained and carefully seasoned, well finished, labeled and packed. A big value at a moderate price.

HIBBARD Oak—Select second growth, handsome dark oak, well finished and durable. The best oak handle on the market.

IL-A-NOY—Splendid value, No. 1 medium grade, tough, durable timber, forest hickory, well seasoned and finished. Will give service equal to many higher priced handles.

CRUSO—Next in rank to the "Il-a-noy," Good strong sound forest hickory, medium grade. All right for ordinary use and a splendid value at the price.

DOUBLE BIT AXE, OVAL, REGULAR



GYB, finest second growth white hickory, 36 in., w't per doz. 23 lbs.

No. N60—Full dozen carton, per dozen\$12.00

No. 60—Less than carton, per dozen\$13.00

HIBBARD, finest dark oak, 36 in., w't per doz. 22 lbs.

No. N35—Full dozen carton, per dozen\$8.00

No. 35—Less than carton, per dozen\$9.00

HIBBARD XX, second growth hickory, 36 in., w't per doz. 22 lbs.

No. N44—Full dozen carton, per dozen\$9.00

No. 44—Less than carton, per dozen\$10.00

IL-A-NOY, good quality forest hickory, 36 in., w't per doz. 21 lbs.

No. N260—Full dozen carton, per dozen\$6.00

No. 260—Less than carton, per dozen\$7.00

ONE DOZEN IN A CARTON

DOUBLE BIT AXE, OVAL, SLIM



HIBBARD XX, second growth hickory 36 in., w't per doz. 20 lbs.

No. N66—Full dozen carton, per dozen\$9.00

No. 66—Less than carton, per dozen\$10.00

HIBBARD, finest dark oak, 36 in., w't per doz. 20 lbs.

No. N90—Full dozen carton, per dozen\$8.00

No. 90—Less than carton, per dozen\$9.00

ONE DOZEN IN A CARTON

BROAD AXE

HIBBARD, select XX second growth hickory, oval.



MINNESOTA pattern, 36 in., extra heavy, w't per doz. 26 lbs.

No. N124—Full dozen carton, per dozen\$8.00

No. 124—Less than carton, per dozen\$9.00



REVERSIBLE pattern, 28 in., medium weight, with off-set eye end, w't per doz. 18 lbs.

No. N123—Full dozen carton, per dozen\$6.00

No. 123—Less than carton, per dozen\$7.00

ONE DOZEN IN A CARTON

COAL MINERS' AXE



IL-A-NOY, good quality hickory, oval, straight, 26 in., w't per doz. 13 lbs.

No. N227—Full dozen carton, per dozen\$5.00

No. 227—Less than carton, per dozen\$6.00

ONE DOZEN IN A CARTON

COAL PICK, OVAL MEDIUM EYE 3x1 INCHES



HIBBARD XX, second growth hickory, 34 in., w't per doz. 23 lbs.

No. N118—Full dozen carton, per dozen\$8.00

No. 118—Less than carton, per dozen\$9.00

IL-A-NOY, hickory, 34 in., w't per doz. 23 lbs.

No. N218—Full dozen carton, per dozen\$6.00

No. 218—Less than carton, per dozen\$7.00

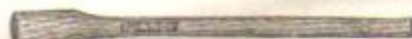
CRUSO, sound forest hickory, 34 in., w't per doz. 23 lbs.

No. N318—Full dozen carton, per dozen\$4.00

No. 318—Less than carton, per dozen\$5.00

ONE DOZEN IN A CARTON

DRIFTING PICK



IL-A-NOY, good quality forest hickory, oval, 34 in., w't per doz. 27 lbs.

No. N219—Full dozen carton, per dozen\$8.00

No. 219—Less than carton, per dozen\$9.00

ONE DOZEN IN A CARTON

HANDLES

END Hickory—Made from extra select, clear white second growth hickory, straight grained and carefully seasoned and finished. The highest grade handle, which can be produced.

HIBBARD Hickory—Extra fine quality XX white hickory, straight grained and carefully seasoned, well finished, labeled and packed. A big value at a moderate price.

HIBBARD Oak—Select second growth, handsome dark oak, well finished and durable. The best oak handle on the market.

IL-A-NOY—Splendid value, No. 1 medium grade, tough, durable timber, forest hickory, well seasoned and finished. Will give service equal to many higher priced handles.

CRUSO—Next in rank to the "Il-a-noy," Good strong sound forest hickory, medium grade. All right for ordinary use and a splendid value at the price.

RAILROAD PICKS OR MATTOCK



END, finest second growth white hickory, 36 in., w't per doz. 38 lbs.

No. N17—Full two dozen crate, per dozen\$12.00

No. 17—Less than crate, per dozen\$13.00

HIBBARD XX second growth hickory, 36 in., w't per doz. 37 lbs.

No. N117—Full two dozen crate, per dozen\$10.00

No. 117—Less than crate, per dozen\$11.00

IL-A-NOY, good quality forest hickory, 36 in., w't per doz. 36 lbs.

No. N217—Full two dozen crate, per dozen\$8.00

No. 217—Less than crate, per dozen\$9.00

CRUSO, good quality white ash, 36 in., w't per doz. 34 lbs.

No. N317—Full two dozen crate, per dozen\$6.00

No. 317—Less than crate, per dozen\$7.00

TWO DOZEN IN A CRATE

POLL PICK



IL-A-NOY, good quality forest hickory, oval, 34 in., w't per doz. 27 lbs.

No. N221—Full two dozen carton, per dozen\$8.00

No. 221—Less than carton, per dozen\$9.00

ONE DOZEN IN A CARTON

SLEDGE



END, finest second growth white hickory, oval, with slim neck.

Full dozen carton,
Nos. N30 N36
Length, in. 30 36
W't doz. lbs. 18 22
Per dozen\$7.50 8.00

Less than carton,
Nos. 30 36
Per dozen\$8.50 9.00

ONE DOZEN IN A CARTON



END, finest second growth white hickory, octagon, with slim neck, 36 in., w't per doz. 22 lbs.

No. N36X—Full dozen carton, per dozen\$8.00

No. 36X—Less than carton, per dozen\$9.00

ONE DOZEN IN A CARTON



IL-A-NOY, good quality forest hickory, oval, regular pattern.

Full dozen carton,
Nos. N230 N232 N234 N236
Length, in. 30 32 34 36
W't doz. lbs. 18 19 21 22
Per dozen\$4.50 5.00 5.50 6.00

Less than carton,
Nos. 230 232 234 236
Per dozen\$5.50 6.00 6.50 7.00

No. N2266—Assorted, lengths, 1/4 doz. No. 230; 1/4 doz. No. 232; 1/4 doz. No. 234 and 1/4 doz. No. 236; w't per ass't 20 lbs., per assortment\$5.50

ONE ASSORTMENT IN A CARTON

CRUSO, Hickory.

Full dozen carton,
Nos. N330 N336
Length, in. 30 36
W't per doz., lbs. 18 22
Per dozen\$3.50 4.00

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS

CARPENTERS' ADZE



IL-A-NOY, good quality forest hickory, oval, 34 in., w't per doz. 22 lbs.

No. N215—Full dozen carton, per dozen\$6.00

No. 215—Less than carton, per dozen\$7.00

ONE DOZEN IN A CARTON

RAILROAD ADZE



IL-A-NOY, good quality forest hickory, oval, 34 in., w't per doz. 22 lbs.

No. N216—Full dozen carton, per dozen\$6.00

No. 216—Less than carton, per dozen\$7.00

ONE DOZEN IN A CARTON

POST MAUL



IL-A-NOY, good quality forest hickory, oval 36 in., w't per doz. 21 lbs.

No. N225—Full two dozen carton, per dozen\$6.00

No. 225—Less than carton, per dozen\$7.00

ONE DOZEN IN A CARTON

GRUB HOE



IL-A-NOY, good quality forest hickory, oval, straight, 36 in., w't per doz. 33 lbs.

No. N222—Full two dozen carton, per dozen\$8.00

No. 222—Less than carton, per dozen\$9.00

ONE DOZEN IN A CARTON

HAMMER HANDLES

WED Hickory—Made from extra select clear white, second growth hickory, the finest grown; straight grained and carefully seasoned, properly shaped to give balance and to fit the hand. The highest grade handles which can be produced.

IL-A-NOY Hickory—An unusual value in No. 1 tough, durable, forest hickory, of good appearance, well seasoned and finished. Will give service equal to many higher priced handles.

CRUSO Hickory—Our leader value, next in rank to the IL-a-noy. Good strong, sound forest hickory, medium grade. Suitable for ordinary use, but not comparative in appearance with our better grades.

ADZE EYE, NAIL HAMMER

WED, finest second growth white hickory.

Nos.	11N	12N	13N
For hammers ..	4	3	1 or 1½
Length, in.	11	12	13
W't per doz. lbs.	4½	5	5½
Per dozen	\$2.00	2.40	2.40

Nos.	14N	15N
For hammers	1 or 1½	0 or 1
Length, in.	14	15
W't per doz., lbs.	6	6½
Per dozen	\$2.40	2.40

ONE DOZEN IN A CARTON. WE DO NOT DO NOT BREAK CARTONS

No. 1511N—Assortment consists of—

½ dozen No. 11N—11 in.	
½ dozen No. 12N—12 in.	
½ dozen No. 13N—13 in.	
½ dozen No. 14N—14 in.	
W't per assortment 5½ lbs.	
Per assortment	\$2.40

ONE ASSORTMENT IN A CARTON. WE DO NOT BREAK CARTONS

IL-A-NOY, good quality forest hickory.

Nos.	212N	213N	214N
For hammers	3	2	1½
Length, in.	12	13	14
W't per doz., lbs.	5	5½	6
Per dozen	\$1.60	1.60	1.60

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS

No. 212N—Assortment consists of—

½ dozen No. 212N—12 in.	
½ dozen No. 213N—13 in.	
½ dozen No. 214N—14 in.	
Per assortment	\$1.60

ONE ASSORTMENT IN A CARTON. WE DO NOT BREAK CARTONS

CRUSO, sound forest hickory.

No. 314N —14 in., for sizes 1 and 1½	
Nail Hammers, w't per doz. 6 lbs.,	
per dozen	\$0.80

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS

FARRIERS' HAMMER

No. 14F WED—finest second growth hickory, 14 in. w't per doz. 6 lbs., per dozen

MACHINISTS' HAMMER

WED, finest second growth white hickory.

Nos.	12M	14M	16M
For hammers	000,00	0	1
Length, in.	12	14	16
W't, doz., lbs.	4½	6	7½
Per dozen	\$2.40	2.40	2.80

Nos.	18M	20M
For hammers	2 & 3	4 & 5
Length, in.	18	20
W't, doz., lbs.	9	11
Per dozen	\$3.20	3.60

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS

No. 1220M—Assortment consists of—

½ dozen No. 12M—12 in.	
½ dozen No. 14M—14 in.	
½ dozen No. 16M—16 in.	
½ dozen No. 18M—18 in.	
½ dozen No. 20M—20 in.	
W't per assortment 9 lbs.	
Per assortment	\$3.00

ONE ASSORTMENT IN A CARTON. WE DO NOT BREAK CARTONS

IL-A-NOY, good quality forest hickory.

Nos.	212M	214M	216M
For hammers	000,00	0	1
Length, in.	12	14	16
W't, doz., lbs.	4½	6	7½
Per dozen	\$1.60	1.60	1.80

Nos.	218M	220M
For hammers	2	3
Length, in.	18	20
W't, doz., lbs.	9	11
Per dozen	\$2.00	2.20

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS

No. 2220M—Assortment consists of—

½ dozen No. 212M—12 in.	
½ dozen No. 214M—14 in.	
½ dozen No. 216M—16 in.	
½ dozen No. 218M—18 in.	
½ dozen No. 220M—20 in.	
W't per assortment 9 lbs.	
Per assortment	\$2.40

ONE ASSORTMENT IN A CARTON. WE DO NOT BREAK CARTONS

RIVETING HAMMER

WED, finest second growth white hickory.

Nos.	11R	12R	13R	15R
For hammers ...	0	1	2	3, 4
Length, in.	11	12	13	15
W't, doz., lbs. ...	3½	4½	5½	6
Per dozen	\$2.40	2.40	2.40	2.80

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS

No. 1115R—Assortment consists of—

½ dozen No. 11R—11 in.	
½ dozen No. 12R—12 in.	
½ dozen No. 13R—13 in.	
½ dozen No. 15R—15 in.	
W't per assortment 5 lbs.	
Per assortment	\$2.40

ONE ASSORTMENT IN A CARTON

IL-A-NOY, good quality forest hickory.

Nos.	211R	212R	213R	215R
For hammers 0	1	2	3, 4	
Length, in. ...	11	12	13	15
W't, doz., lbs.	3½	4½	5½	6
Per dozen	\$1.60	1.60	1.60	1.80

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS

No. 2115R—Assortment consists of—

½ dozen No. 211R—11 in.	
½ dozen No. 212R—12 in.	
½ dozen No. 213R—13 in.	
½ dozen No. 215R—15 in.	
W't per assortment 5 lbs.	
Per assortment	\$1.60

ONE ASSORTMENT IN A CARTON. WE DO NOT BREAK CARTON

TACK HAMMER

No. 12T WED—finest second growth hickory. 11½ in., w't per doz. 4½ lbs., per dozen

ONE DOZEN IN A CARTON WE DO NOT BREAK CARTONS

HAMMER AND HATCHET HANDLES

CRUSO Hickory—Made from extra selected clear white, second growth hickory, the finest grown, straight grain and carefully seasoned, properly shaped to give balance and to fit the hand. The highest grade handles which can be produced.

IL-A-NOY Hickory—An unusual value in No. 1 tough, durable, forest hickory, of good appearance, well seasoned and finished. Will give service equal to many higher priced handles.

CRUSO Hickory—Our leader value, next in rank to the IL-A-NOY. Good strong, sound forest hickory, medium grade. Suitable for ordinary use, but not comparative in appearance with our better grades.

BLACKSMITHS' HAMMER



CRUSO, finest second growth, hickory.

Nos.	16B	18B
For hammers	1	2
Length, in.	15	18
W't per doz., lbs.	11	14
Per dozen	\$2.80	3.20

Nos.	20B	24B
For hammers	3	4&5
Length, in.	20	24
W't per doz., lbs.	7½	9
Per dozen	\$3.40	4.40

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS.

IL-A-NOY, good quality forest hickory.

Nos.	216B	218B
For hammers	1	2
Length, in.	16	18
W't per doz., lbs.	7½	9
Per dozen	\$1.80	2.00

Nos.	220B	224B
For hammers	3	4&5
Length, in.	20	24
W't per doz., lbs.	11	14
Per dozen	\$2.20	2.60

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS.

Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over sixty-seven years' experience stands back of our brands.

REGULAR HATCHET



CRUSO, finest second growth, white hickory.

Nos.	1	2	3
Length, in.	13	14	15
W't per doz., lbs.	5½	6	7
Per dozen	\$2.40	2.40	2.40

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS.

No. 13—Assortment consists of—

½ dozen No. 1—13 in.

½ dozen No. 2—14 in.

½ dozen No. 3—15 in.

W't per assortment 6 lbs.

Per assortment

ONE ASSORTMENT IN A CARTON

IL-A-NOY, good quality forest hickory.

Nos.	201	202	203
Length, in.	13	14	15
W't per doz., lbs.	5½	6	7
Per dozen	\$1.60	1.60	1.80

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS.

No. 204—Assortment consists of—

½ dozen No. 201—13 in.

½ dozen No. 202—14 in.

½ dozen No. 203—15 in.

W't per assortment 6 lbs.

Per assortment

ONE ASSORTMENT IN A CARTON. WE DO NOT BREAK CARTONS

UNDERHILL PATTERN LATHING HATCHET



No. 4 CRUSO—Finest second growth white hickory. 13 in., w't per doz. 5½ lbs.per dozen \$2.40

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS.

DERRICK HATCHET



No. 9 CRUSO—Finest second growth white hickory. 18 in., w't per doz. 9 lbs.per dozen \$4.80

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS

BROAD HATCHET



CRUSO, finest second growth, white hickory.

Nos.	5½	6	6½
For hatchets	2	3&4	5&6
Length, in.	16	17	18
W't per doz., lbs.	7½	8	9
Per dozen	\$3.00	3.50	4.00

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS.

No. 1618—Assortment consists of

½ dozen No. 5½—16 in.

½ dozen No. 6—17 in.

½ dozen No. 7—18 in.

W't per asst. 8 lbs.

Per assortment

ONE ASSORTMENT IN A CARTON. WE DO NOT BREAK CARTONS

IL-A-NOY good quality forest hickory.

Nos.	205½	206	207
Length, in.	16	17	18
W't per doz., lbs.	7½	8	9
Per dozen	\$2.00	2.50	3.00

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS.

No. 208—Assortment consists of—

½ dozen No. 205½—16 in.

½ dozen No. 206—17 in.

½ dozen No. 207—18 in.

W't per assortment 8 lbs.

Per assortment

ONE ASSORTMENT IN A CARTON. WE DO NOT BREAK CARTONS

SHORT AXES



CRUSO, finest second growth, white hickory.

No. 8½—Scout or light hand axe, 14 in., w't per doz. 6 lbs., per dozen

No. 9½—House or medium hand axe, 19 in., w't per doz. 10 lbs., per dozen

ONE DOZEN IN A CARTON. WE DO NOT BREAK CARTONS

IRON SPOKE SHAVES



No. 1—9 in. japanned straight handle, 1 1/2 in. cast steel cutter, w't per doz. 5 1/2 lbs.per dozen \$5.00



No. 63

No. 63—Bailey's, 9 in. straight handle, japanned, 1 1/2 in. single cutter, w't per doz. 4 1/2 lbs., per dozen \$4.30



No. 2—10 in. japanned raised handle, 2 1/2 in. cast steel cutter, w't per doz. 8 lbs.per dozen \$8.00



No. 3—10 in. japanned straight handle; 1 1/2 in. straight knife and 1 1/2 in. concave knife high grade steel; w't per doz. 8 lbs.per dozen \$10.00



No. 55

No. 55—Bailey's, 10 in. japanned raised handle, double iron, hollow face, 2 1/2 in. cast steel cutter, w't per doz. 7 1/2 lbs.per dozen \$7.20



No. 151

No. 151—Raised Handle, 10 in long, 2 1/2 in. cutter, w't per doz. 9 lbs., per dozen\$10.50



No. 152

No. 152—Straight handle, 10 in. 2 1/2 in. cutter, w't per doz. 9 1/2 lbs., per dozen\$10.50

Bailey Adjustable Cutters can be quickly adjusted both endwise and sidewise by means of the adjusting screws which engage the slots near the end.



No. 54

No. 54—Bailey's, 10 in. japanned straight handle, 2 1/2 in. adjustable cast steel cutter, w't per doz. 8 lbs., per dozen\$9.60
ALL ABOVE, HALF DOZEN IN A BOX

IRON SPOKE SHAVES

BAILEY'S



No. 52

No. 52—10 in. japanned straight handle, double iron, 2 1/2 in. cast steel cutter, w't per doz. 7 1/2 lbs., per dozen\$7.40

Extra Irons, for No. 52,
per dozen\$2.50



No. 53

No. 53—10 in. japanned raised handle, 2 1/2 in. adjustable cast steel cutter, w't per doz. 9 lbs., per dozen \$9.60

ABOVE HALF DOZEN IN A BOX

RABBIT SPOKE SHAVES



For carriage makers, car builders and cabinet makers for finishing panels. Rabbits and similar work.

No. 68—10 1/2 in. japanned straight handle, 2 1/2 in. steel cutter, w't per doz. 15 lbs.per dozen \$19.40

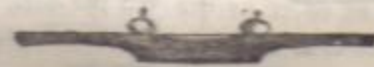
No. 71—10 1/2 in. straight handle, brass frame, 2 1/2 in. steel cutter with gauge, w't per doz. 21 lbs., per dozen\$54.00

WOOD SPOKE SHAVES



No. 180—10 in. beechwood handle, 2 1/2 in. cast steel cutter, w't per doz. 2 1/2 lbs.per dozen \$11.80

No. 181—11 in. beechwood handle, 3 in. cast steel cutter, w't per doz. 3 1/2 lbs.per dozen \$13.60



No. 192—10 1/2 in. beechwood handle, 2 1/2 in. cast steel cutter, brass set screws, w't per doz. 3 1/2 lbs., per dozen\$25.80
ALL ABOVE, HALF DOZEN IN A BOX

UNIVERSAL SPOKE SHAVES



No. 67

Two detachable bottoms, adapted to circular work or straight; and, by means of a movable width-gauge, can be used in rabbeting. Both handles are detachable, and either of them can be screwed into a socket on top of the stock, thus making it possible to work into corners or panels as no other spokeshave can do.

No. 67—Stanley's Improved, nickel plated rosewood handle, length 9 1/2 in., w't, doz. 10 lbs., doz. \$31.60
ONE IN A BOX

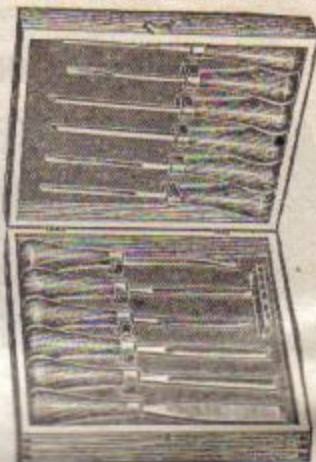
WOOD CARVING SETS



No. 1—6 1/2 x 3 1/2 in. varnished case, containing one each U tool, scraper, bevel chisel, V tool, curved gouge and straight chisel, tool steel blades, cocobola handles, length over all 5 1/2 in., w't per set 1 lb.per set \$3.70



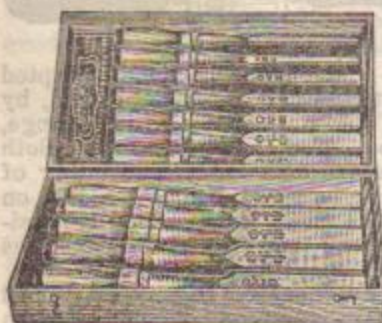
No. 2—9 x 3 1/2 in. varnished case, containing one each V tool, bevel chisel, curved gouge, straight chisel, U tool and straight gouge, tool steel blades, cocobola handles, length over all 8 1/2 in., w't per set 1 lb., per set \$5.20



Designed for manual training schools and for amateurs generally.
No. 3—10 x 8 1/2 in. case, nicely finished, containing twelve carving tools and one punch, blades of best grade steel, nicely finished, carefully tempered and sharpened, cocobola handles, length over all 8 1/2 in., w't per set 3 1/2 lbs.per set \$17.80
ABOVE ONE SET IN A BOX

CHISELS

OVB SOCKET FIRMER



ONE SET IN A BOX

Beveled, solid cast steel, full polished, leather capped hickory handles.

No. 225 OVB—In sets of 12, one each $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, 1 , $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 in., ground sharp and set ready for use, packed one set in a polished and oiled hinged dovetailed box, w't per set 10 lbs., per set\$19.80

OVB SOCKET FIRMER



Beveled, extra cast steel, full polished, leather capped hickory handle, 6 to 7 in. blades.

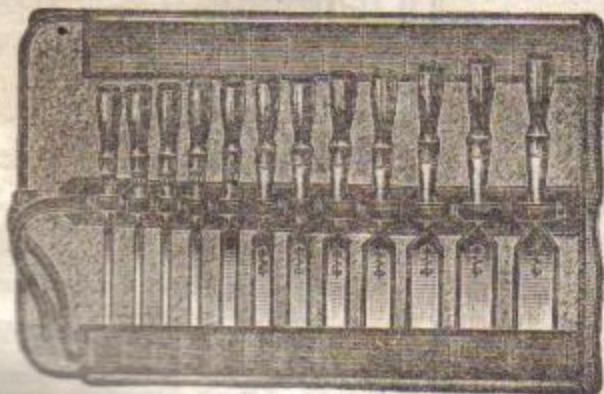
No. 15 OVB—Inches..... 1-8 1-4 3-8 1-2
W't per doz., lbs. 3 $\frac{1}{2}$ 4 4 $\frac{1}{2}$ 5
Per dozen\$12.80 12.80 12.80 12.80

No. 15 OVB—Inches..... 5-8 3-4 7-8 1
W't per doz., lbs. 6 $\frac{1}{2}$ 7 7 $\frac{1}{2}$ 8
Per dozen\$14.00 14.40 16.00 16.40

No. 15 OVB—Inches..... 1 $\frac{1}{4}$ 1 $\frac{1}{2}$ 1 $\frac{3}{4}$ 2
W't per doz., lbs. 10 $\frac{1}{2}$ 12 14 15
Per dozen\$18.00 19.20 20.80 21.60

HALF DOZEN IN A WOODEN BOX

OVB IN SETS



Sets consist of 12 No. 15 chisels, one each $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, 1 , $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 inch.

No. 1214 OVB—Packed one set in a canvas roll, w't 8 lbs., per set\$19.30

No. 1114 OVB—Packed one set in a slide cover wood box, w't 8 lbs.per set \$16.80

OVB SOCKET FIRMER



Plain, extra cast steel, full polished, leather capped hickory handle, 6 to 7 in. blades.

No. 20 OVB—Inches..... 1-8 1-4 3-8 1-2
W't per doz., lbs. 3 $\frac{1}{2}$ 4 4 $\frac{1}{2}$ 5
Per dozen\$11.20 11.20 11.20 11.20

No. 20 OVB—Inches..... 5-8 3-4 7-8 1
W't per doz., lbs. 6 $\frac{1}{2}$ 7 7 $\frac{1}{2}$ 8
Per dozen\$12.40 12.80 14.40 14.80

No. 20 OVB—Inches..... 1 $\frac{1}{4}$ 1 $\frac{1}{2}$ 1 $\frac{3}{4}$ 2
W't per doz., lbs. 10 $\frac{1}{2}$ 12 14 15
Per dozen\$16.40 17.60 19.20 20.00

HALF DOZEN IN A WOODEN BOX

OVB IN SETS

Consist of 12 one each $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, 1 , $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2 in.

No. 1220 OVB—Packed in canvas rolls, w't 8 lbs., per set\$17.70

No. 1120 OVB—Packed one set in a slide cover wood box, w't 8 lbs.per set \$15.20

OVB TANGED BUTT



Beveled, solid cast steel, $3\frac{1}{4}$ inch blade, round shank, full polished, heavy brass ferrule, leather capped hardwood handle.

No. 213 OVB—Inches..... 1-4 3-8 1-2 5-8
W't per doz., lbs. 2 $\frac{1}{2}$ 3 $\frac{1}{2}$ 3 $\frac{1}{2}$ 3 $\frac{1}{2}$
Per dozen\$13.00 13.00 13.00 13.40

No. 213 OVB—Inches..... 3-4 7-8 1 1 $\frac{1}{2}$
W't per doz., lbs. 4 4 $\frac{1}{2}$ 4 $\frac{1}{2}$ 5
Per dozen\$14.20 15.00 16.20 18.30

No. 213 OVB—Inches..... 1 $\frac{1}{4}$ 1 $\frac{1}{2}$ 1 $\frac{3}{4}$ 2
W't per doz., lbs. 5 $\frac{1}{2}$ 6 $\frac{1}{2}$ 7
Per dozen\$20.80 23.80 27.60

HALF DOZEN IN A WOODEN BOX

OVB IN SETS

No. 1213 OVB—Sets of 11 No. 213 chisels, one each $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, 1 , $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 in., w't 2 $\frac{1}{2}$ lbs., per set \$20.00

No. 1206 OVB—Set of 6 No. 213 chisels, one each $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $1\frac{1}{4}$ and $1\frac{1}{2}$ in., w't 1 $\frac{1}{2}$ lbs.per set \$10.00
PACKED ONE SET IN CANVAS ROLL

OVB SOCKET BUTT



Beveled, extra steel, $2\frac{1}{2}$ in. blade, full polished, leather capped hickory handle.

No. 315 OVB—Inches..... 1-8 1-4 3-8 1-2
W't per doz., lbs. 3 3 $\frac{1}{2}$ 4 4 $\frac{1}{2}$
Per dozen\$12.50 12.50 12.50 12.50

No. 315 OVB—Inches..... 5-8 3-4 7-8 1
W't per doz., lbs. 4 $\frac{1}{2}$ 4 $\frac{1}{2}$ 5 5 $\frac{1}{2}$
Per dozen\$13.70 14.10 15.70 16.10

No. 315 OVB—Inches..... 1 $\frac{1}{4}$ 1 $\frac{1}{2}$ 1 $\frac{3}{4}$ 2
W't per doz., lbs. 6 $\frac{1}{2}$ 7 $\frac{1}{2}$ 8 $\frac{1}{2}$ 9 $\frac{1}{2}$
Per dozen\$17.70 18.90 20.50 21.30

HALF DOZEN IN A WOODEN BOX

OVB IN SETS

No. 1315 OVB—Sets of 12 No. 315 chisels, one each $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, 1 , $1\frac{1}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$, 2 in., w't $5\frac{1}{4}$ lbs., per set \$19.00

No. 1306 OVB—Sets of 6 No. 315 chisels, one each $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $1\frac{1}{4}$ and $1\frac{1}{2}$ in., w't $2\frac{1}{2}$ lbs.per set \$9.90
PACKED IN CANVAS ROLLS.

ONE SOLID HANDLE CHISELS

ONE Solid Handle Chisels, Beveled Edge, Polished Blade, Stained Handle. Blade, Shank and Head are One Piece of Solid Steel. Blade is Forged from One End of Steel Rod which Goes Entirely Through the Handle, the Other End Being "Up Set" to Form the Head. A Leather Washer is Placed Under Head to Act as a Cushion. With this Form of Construction the Full Power of the Blow is Transferred from the Head to the Cutting Edge.



No. 400 **ONE**—Pocket Chisel, $\frac{1}{2}$ in. blade, all sizes—

Inches	1-8	1-4	3-8	1-2	5-8	3-4
W't per doz., lbs.	3½	4	4½	5	5½	5¾
Per dozen	\$17.20	18.00	20.00	20.60	21.60	22.00

Inches	7-8	1	1½	1¾	2	2½
W't per doz., lbs.	6	6½	9	10	11½	13
Per dozen	\$22.80	24.00	25.80	29.60	32.00	36.00

HALF DOZEN IN A BOX

ONE IN SETS

No. 412—Sets of 12, No. 400, one each, packed one set in canvas roll, w't 9 lbs., per set\$27.00



No. 500 **ONE**—Butt Chisels, 3 in. blade, all sizes—

Inches	1-4	3-8	1-2	5-8	3-4	7-8
W't per doz., lbs.	4	4½	4¾	4¾	5	5½
Per dozen	\$17.60	19.20	20.00	20.40	21.00	21.60

Inches	1	1½	1¾	2	2½	3
W't per doz., lbs.	6	8	9	10½	12	12
Per dozen	\$22.80	25.20	28.50	30.00	33.60	33.60

HALF DOZEN IN A BOX

ONE IN SETS

No. 506—Sets of six, No. 500, one each $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{2}$, $1\frac{1}{2}$ and $1\frac{3}{4}$ in., w't 4½ lbs., per set\$13.30

BUCK BROS. TANGED FIRMER CHISELS



Made from highest grade crucible steel, carefully tempered and sharpened, fancy handles, beveled edges. The 1 in. blade is $\frac{5}{8}$ in. long.

No. 10—Inches	1-8	1-4	3-8
W't doz., lbs.	3½	4	4½
Per dozen	\$11.00	11.00	11.00

No. 30—Inches	1-2	5-8	3-4
W't doz., lbs.	5	6½	7
Per dozen	\$11.90	12.60	13.15

No. 30—Inches	7-8	1	1½
W't doz., lbs.	7½	8	10½
Per dozen	\$13.50	14.40	18.90

No. 30—Inches	1½	1¾	2
W't doz., lbs.	12	14	15
Per dozen	\$21.40	26.70	30.00

HALF DOZEN IN A WOODEN BOX

BUCK BROS. TANGED FIRMER CHISELS IN SETS

No. 300—Sets of 12 No. 30, one each $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $1\frac{1}{2}$, $1\frac{3}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 in., packed in a wood box with slide cover, w't 8 lbs., per set \$15.30

BUCK BROS. SOCKET FIRMER CHISELS



Beveled edges, fancy handles. The 1 in. blade is $\frac{5}{8}$ in. long.

No. 36—Inches	1-8	1-4	3-8
W't doz., lbs.	3½	4	4½
Per dozen	\$16.40	16.40	16.40

No. 36—Inches	1-2	5-8	3-4
W't doz., lbs.	5	6½	7
Per dozen	\$17.60	18.50	20.00

No. 36—Inches	7-8	1	1½
W't doz., lbs.	7½	8	10½
Per dozen	\$21.00	22.20	25.40

No. 36—Inches	1½	1¾	2
W't doz., lbs.	12	14	15
Per dozen	\$27.40	32.00	35.40

HALF DOZEN IN A WOODEN BOX

PEXTO IN SETS

No. 360—Sets of 12 No. 36, one each $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $1\frac{1}{2}$, $1\frac{3}{4}$, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 in., packed in a wood box with slide cover, w't 8 lbs.per set \$24.80

BUCK BROS. SOCKET BUTT CHISELS



Made of highest grade crucible beveled edges, ground sharp, fancy handles. Blade is $3\frac{1}{2}$ in. long.

No. 39—Inches	1-8	1-4	3-8
W't doz., lbs.	4	4½	4¾
Per dozen	\$14.40	14.40	14.40

No. 39—Inches	1-2	5-8	3-4
W't doz., lbs.	4½	5	5½
Per dozen	\$15.30	16.40	17.40

No. 39—Inches	7-8	1	1½
W't doz., lbs.	6	6½	8
Per dozen	\$18.40	19.40	22.20

No. 39—Inches	1½	1¾	2
W't doz., lbs.	9	10½	12
Per dozen	\$24.00	28.00	30.80

No. 390—Set of 12 No. 39 one each $\frac{1}{2}$ to 2 in. in a canvas roll, w't 6 lbs., per set\$22.30

No. 3900—Set of 6 No. 39 one each $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{2}$, $1\frac{1}{2}$, $1\frac{3}{4}$ in. in a canvas roll, w't each 4½ lbs.each \$12.00
HALF DOZEN IN A BOX

ONE ALL STEEL CHISELS



ONE solid steel, polished blade, black hexagon body.

This chisel is forged from special steel, tempered for use as ordinary wood chisel and also for cutting soft metal.

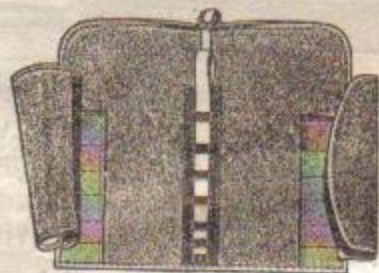
No. 10—Inches	1-2	5-8	3-4
Length, in.	9½	9½	10
W't, doz., lbs.	3½	5	6

No. 10—Inches	1	1½
Length, in.	11	11½
W't, doz., lbs.	10½	15½

Per dozen	\$10.20	12.30
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HALF DOZEN IN A BOX

CHISEL ROLLS



Brown canvas cover, wool lining, adjustable straps.

No. 06—For holding 6 socket firmer chisels, w't per doz. 3½ lbs., per dozen\$28.80

No. 12—For holding 12 socket firmer chisels, w't per doz. 6½ lbs., per dozen\$31.20

No. 6—For holding 6 butt chisels, w't per doz. 3½ lbs., per doz. \$24.00

No. 11—For holding 11 butt chisels, w't per doz. 5 lbs., per doz. \$28.80
PACKED LOOSE

SOCKET FRAMING CHISELS



Extra forged steel, full polished, hickory handle, with ring.

No. 40 OYB —Inches	1-4	3-8	1-2	5-8
W't per doz., lbs.	8½	10½	12	13½
Per dozen	\$18.00	18.00	18.00	19.00

No. 40 OYB —Inches	3-4	7-8	1	1½
W't per doz., lbs.	14	16	17½	23
Per dozen	\$20.00	21.00	22.00	24.00

No. 40 OYB —Inches	1½	1¾	2	
W't per doz., lbs.	26	31	33	
Per dozen	\$26.00	29.00	32.00	

HALF DOZEN IN A WOOD BOX

SOCKET CARPENTERS SLICKS



10 in. blade, extra cast steel, full polished, hickory handle.

No. 80 OYB —Inches	2½	3	3½
W't per doz., lbs.	45	54	60
Per dozen	\$73.60	83.60	98.00

SIXTH DOZEN IN A WOOD BOX

SOCKET FIRMER GOUGES



6 in. blade, extra cast steel, full polished, hickory handle.

OUTSIDE BEVEL

No. 60 OYB —Inches	1-4	3-8	1-2	5-8
W't per doz., lbs.	4	4½	5½	5½
Per dozen	\$19.00	19.00	20.00	21.00

No. 60 OYB —Inches	3-4	7-8	1	1½	1½
W't per doz., lbs.	6	7½	8	10½	12
Per dozen	\$22.50	24.00	25.50	28.50	32.00

INSIDE BEVEL

No. 160 OYB —Inches	1-4	3-8	1-2	5-8
W't per doz., lbs.	4	4½	5½	5½
Per dozen	\$19.00	19.00	20.00	21.00

No. 160 OYB —Inches	3-4	7-8	1	1½	1½
W't per doz., lbs.	6	7½	8	10½	12
Per dozen	\$22.50	24.00	25.50	28.50	32.00

HALF DOZEN IN A WOOD BOX

SOCKET CORNER CHISELS



8 in. blade, extra forged steel, polished outside, hickory handle with ring.

No. 50 OYB —Inches	3-4	7-8	1
W't per doz., lbs.	1½	17	21
Per dozen	\$61.60	66.00	69.80

HALF DOZEN IN A WOOD BOX

TANGED FIRMER CHISELS



Extra cast steel, polished, applewood handle.

No. 13 —Inches	1-4	3-8	1-2	3-4	1
W't per doz., lbs.	1	1½	1½	2½	3½
Per dozen	\$10.80	10.80	10.80	12.00	14.00

HALF DOZEN IN A WOOD BOX

TANGED FIRMER GOUGES



Extra cast steel, polished, applewood handle, outside bevel.

No. 123 —Inches	1-4	3-8	1-2	5-8
W't per doz., lbs.	2	3	3½	4½
Per dozen	\$13.90	13.90	13.90	14.70

No. 123 —Inches	3-4	7-8	1	1½	1½
W't per doz., lbs.	5	5½	6	8	9
Per dozen	\$15.70	17.10	18.50	22.00	26.00

HALF DOZEN IN A WOOD BOX

TANGED TURNING CHISELS



Forged Steel, Polished.

No. 73—Inches	1-4	3-8	1-2	3-4	1
W't per doz., lbs.	1½	2	3	5	7
Per dozen	\$10.20	10.20	10.20	11.40	13.40

ONE DOZEN IN A WOOD BOX.

TANGED TURNING GOUGES



Forged Steel, Polished.

No. 113—Inches	1-4	3-8	1-2	3-4	1
W't per doz., lbs.	1½	2	3	5	7
Per dozen	\$13.20	13.20	13.20	14.80	16.60

ONE DOZEN IN A WOOD BOX.

ONE DRAWING KNIVES



Especially suitable for household use and cabinet work, where the regular size knife is too large.

No. 16 ONE—Pony, 4 in. crucible steel blade, highly polished, ebonized handles, w't per doz. 3½ lbs., per dozen	\$12.00
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HALF DOZEN IN A BOX

CARPENTERS' DRAWING KNIVES



PEXTO, forged steel razor blade, hickory handles, polished caps and ferrules.

No. 15—Blade, in.	7	8	9	10	12
W't per doz., lbs.	12½	13½	15	15	16½
Per dozen	\$24.30	24.30	25.90	28.10	32.40

HALF DOZEN IN A PACKAGE

CARPENTERS' DRAWING KNIVES



ONE extra forged steel razor blade, ebonized handles, polished caps and ferrules.

No. 18 ONE—Blade, in.	8	9	10
W't per doz., lbs.	13	14	15
Per dozen	\$25.20	26.20	29.00

HALF DOZEN IN A BOX



ONE forged steel razor blade, folding rosewood stained handles.

No. 30 ONE—Blade, in.	6	7	8	9
W't per doz., lbs.	12	14	20	28
Per dozen	\$51.00	54.00	61.20	66.00

QUARTER DOZEN IN A BOX



REVOLOC extra forged steel razor blade polished caps, mahogany stained handles.

No. 118 REVOLOC—Blade, in.	8	9	10
W't per doz., lbs.	13	14	15
Per dozen	\$24.30	25.90	28.10

HALF DOZEN IN A BOX



REVOLOC folding handle, forged steel razor blade, interchangeable hickory handles.

No. 26 REVOLOC—Blade, in.	8	9	10
W't per doz., lbs.	15½	18	19½
Per dozen	\$47.60	49.20	52.00

QUARTER DOZEN IN A BOX

SHINGLE KNIVES



No. 17—14 in.—1½ in. forged steel blade, beech handles, w't per doz. 27 lbs.	per dozen	\$60.00
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HALF DOZEN IN A PACKAGE
ROSE TOOLS, INC.

CIRCULAR RIP AND CROSS-CUT SAWS
DISSTONF. O. B. Factory in Chicago.
Solid Tooth, Ground and Tempered.

In ordering, be particular to state whether cross-cut or rip, right or left hand is wanted; also size mandrel hole and speed of saw.

Nos.	Diam- eter, Inches	Thick- ness, Gauge	Size of Hole, Inch	Each	Extra for Each Gauge Heavier	Beveling New Saws (Grinding or Beveling Old Saws Extra) Per Gauge
F 6	6	18	$\frac{3}{8}$	\$ 3.30★	\$ 0.07★	\$0.25★
F 8	8	18	$\frac{3}{8}$	4.40★	.10★	.35★
F10	10	16	1	5.60★	.20★	.45★
F12	12	15	1	7.00★	.30★	.55★
F14	14	14	1 $\frac{1}{8}$	8.50★	.40★	.65★
F16	16	14	1 $\frac{1}{8}$	10.50★	.50★	.75★
F18	18	13	1 $\frac{1}{8}$	12.50★	.60★	.90★
F20	20	13	1 $\frac{1}{8}$	15.00★	.75★	1.05★
F22	22	12	1 $\frac{1}{8}$	17.50★	.90★	1.20★
F24	24	11	1 $\frac{1}{8}$	20.50★	1.05★	1.35★
F26	26	11	1 $\frac{1}{8}$	24.00★	1.25★	1.55★
F28	28	10	1 $\frac{1}{8}$	28.00★	1.50★	1.75★
F30	30	10	1 $\frac{1}{8}$	32.00★	1.75★	1.95★
F32	32	10	1 $\frac{1}{8}$	36.50★	2.00★	2.15★
F34	34	9	1 $\frac{1}{8}$	41.00★	2.25★	2.35★
F36	36	9	1 $\frac{1}{8}$	47.00★	2.60★	2.55★
F38	38	9	1 $\frac{1}{8}$	54.00★	3.00★	2.75★
F40	40	9	2	62.00★	3.40★	2.95★
F42	42	8	2	71.00★	3.80★	3.25★
F44	44	8	2	83.00★	4.40★	3.55★
F46	46	8	2	98.00★	5.15★	3.85★
F48	48	8	2	112.00★	5.90★	4.15★
F50	50	7	2	127.00★	6.65★	4.45★
F52	52	7	2	142.00★	7.40★	4.80★
F54	54	7	2	157.00★	8.80★	5.15★
F56	56	7	2	180.00★	10.25★	5.50★
F58	58	7	2	200.00★	11.75★	5.95★
F60	60	6	2	224.00★	13.25★	6.40★

All saws filed and set, ready for use.

All saws under 6 inches in diameter take the list of a 6-inch saw.

All saws of odd diameters take the list of next larger saw.

No extra charge for saws one gauge thicker than list. No extra charge for saws one to three gauges thinner than list; when more than three gauges thinner than list, add 5 per cent for each gauge.

Saws 48 inches and under, and 62 inches and over, in diameter, more than two gauges thinner than list, not warranted. Saws 50 inches to 60 inches in diameter thinner than 10 gauge, not warranted.

Saws 42 inches or less in diameter beveled one gauge without extra charge; 44 inches or larger beveled two gauges without extra charge.

Saws hollow or concave ground add for each additional gauge hollow or concave ground double the list for beveling.

Saws for cutting bone, horn and ivory, add 50 per cent to the above list.

When these saws are hollow or bevel ground, the 50 per cent advance is to apply only on the list price of a straight gauge saw, and not to apply on the extras for hollow or bevel grinding.

CIRCULAR CORDWOOD SAWS

Nos.	E20	E22	E24
Diam., in.	20	22	24
Gauge	11	11	10
Speed, rev. per minute	1960	1740	1630
Each	\$8.40	10.10	11.90
Nos.	E26	E28	E30
Diam., in.	26	28	30
Gauge	10	10	10
Speed, rev. per minute	1450	1400	1275
Each	\$14.00	16.30	18.50
Nos.	E32	E34	
Diam., in.	32	34	
Gauge	10	10	
Speed, rev. per minute	1225	1125	
Each	\$21.20	23.80	

Furnished with 1 $\frac{1}{2}$ in. mandrels. Add 10% per cent for other size holes.

★ Items Marked Thus ★ Are Shipped From Factory Only.

CIRCULAR SAW MANDRELS



Pulley in Center.



Pulley on End.

Stock has pulley on end, left hand tread.

Latest improved pattern made from high grade, cold drawn steel shafting and best quality gray iron castings. Boxes are filled with high speed bab-bitt metal, and are parted for taking up the wear.

Made with the pulley on the right hand side when saw is running toward you, unless otherwise ordered.

Nos.	E1	E2	E3	E4
Diam. of pulley, in.	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4
Face of pulley, in.	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5
Diam. of flange, in.	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4
Diam. of shaft, in.	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$
Size of hole, in.	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$
Length of shaft, in.	16 $\frac{1}{2}$	19	21	24
W't each, lbs.	15	22	27	35
Each	\$8.40	9.50	12.60	15.80
Nos.	E5	E6	E7	
Diam. of pulley, in.	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	
Face of pulley, in.	5 $\frac{1}{2}$	6	6 $\frac{1}{2}$	
Diam. of flange, in.	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	
Diam. of shaft, in.	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	
Size of hole, in.	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$	
Length of shaft, in.	26	28	30	
W't each, lbs.	45	50	55	
Each	\$16.80	20.20	21.00	

Nos.	F8	F9	F10
Diam. of pulley, in.	6	7	8
Face of pulley, in.	7	8	8
Diam. of flange, in.	6	6	6
Diam. of shaft, in.	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$
Size of hole, in.	1 $\frac{1}{8}$	1 $\frac{1}{8}$	1 $\frac{1}{8}$
Length of shaft, in.	32 $\frac{1}{2}$	37	41
W't each, lbs.	70	90	105
Each	\$23.10★	27.30★	32.00★

SAW SWAGES



CONQUERER

Swage, jumper or upset, polished steel, carefully hardened and tempered, with blued polished extra steel band, length 4½ in., w't 8 oz.

No. 1—For large circular saws,
each\$8.30

No. 2—For small circular saws and mill sawseach \$6.70

ONE IN A BOX

CROSS CUT SAW HANDLES



No. 8.



No. 3.

ATKINS

No. 8—10 in., malleable loop, extra heavy long malleable ferrule, varnished handle, w't per dozen prs. 27 lbs.per dozen pairs \$9.60

No. 3—10 in., heavy malleable loop, long malleable ferrule, varnished handle, w't per doz. prs. 21 lbs., per dozen pairs\$10.80

LOOSE

CROSS CUT SAW HANDLES



No. 122—Disston's, 8 in. long neck, heavy malleable iron cap, tapped for loop rod, which extends through handle insuring firm grip on saw, nicely finished, w't per doz. prs. 30 lbs.per dozen pairs \$15.80

LOOSE



No. 1



No. 4 and 22

No. 1—Atkins, 10 in., wrought loop, extra heavy long malleable ferrule, varnished handle, w't per doz. prs. 25 lbs.per dozen pairs \$10.00

No. 4—Climax, 14 in., reversible, plain handle, w't per doz. prs. 21 lbs., per dozen pairs\$8.00

No. 22—Atkins, 14 in., long heavy malleable castings, large steel bolt, wing nut, w't per doz. 25 lbs., per dozen pairs\$12.00

LOOSE



No. 610.

No. 6.

Malleable Loop, Short Malleable Ferrule.

No. 610—9½ in., plain handle, w't per doz. prs. 15 lbs., per dozen pairs\$7.20

No. 6—ATKINS, 10 in., varnished handle, w't per doz. prs. 15 lbs., per dozen pairs\$8.00

LOOSE



No. 5

No. 5—14 in., malleable loop and arm, plain handle, w't per doz. prs. 30 lbs., per dozen pairs\$12.60

LOOSE

CROSS CUT SAW HANDLES



No. 111.



No. 108.

No. 111—Atkins, 15 in., malleable clasp, metal parts tinned, fancy polished, w't per doz. prs. 33 lbs., per dozen pairs\$10.00

No. 108—Atkins, 12½ in., metal parts tinned, polished handle, w't per doz. prs. 33 lbs., per dozen pairs\$10.80

LOOSE



No. 17—14 in., reversible, malleable loop and arm, plain handle, w't per doz. prs. 30 lbs., per dozen pairs\$14.40

LOOSE



One-man beechwood, for Ajax, Disston's or Atkins saws, w't per doz. about 7½ lbs.

No. 10—3 screw holes,
per dozen\$5.90

No. 13—Without screw holes,
per dozen\$5.90

No. 11—4 screw holes,
per dozen\$5.90

LOOSE



No. 12—One-man supplementary, malleable ferrule and clamp, length 6 in., w't per doz. 4 lbs., per dozen\$4.00

LOOSE

ONE-MAN SAWS

CHAMPION TOOTH



CHAMPION, spring steel, patent ground and tempered, polished, extra wide blade, nickel plated screws, with supplementary handle.

The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness.

No. E220 CHAMPION —Feet.	2½	3	3½	4	4½	5
Width at butt, in.	7½	7½	7½	7½	7½	8
W't, lbs.	2½	3½	4½	5	6½	7½
Each	\$4.00	4.70	5.40	6.10	6.90	7.70

QUARTER DOZEN IN A BUNDLE



REVERSE NO. 21, cast steel, polished, with supplementary handle.

No. E21 REVERSE —Feet.	2½	3	3½	4	4½	5
Width at butt, in.	6	6½	6½	6½	6½	7
W't, lbs.	3	3½	4	5½	6	6½
Each	\$3.30	4.00	4.60	5.30	6.00	6.70

QUARTER DOZEN IN A BUNDLE



No. E23— Disston's —Ft.	2½	3	3½	4	4½	5
Width at butt, in.	6½	6½	7	7½	7½	7½
W't, lbs.	3	3½	4	5½	6	6½
Each	\$3.70	4.50	5.20	6.00	6.70	7.40

QUARTER DOZEN IN A BUNDLE

COMMON TOOTH



COMMON, spring steel, patent ground and tempered, polished, extra wide blade, nickel plated screws, with supplementary handle.

No. E230 COMMON —Feet.	3½	4	4½
Width at butt, in.	7	7½	7½
W't, lbs.	4½	5	6½
Each	\$5.40	6.20	7.00

QUARTER DOZEN IN A BUNDLE

GREAT AMERICAN



DISSTON'S, cast steel, polished, with supplementary handle.

No. E25—Feet	3	3½	4	4½	5
Width at butt, in.	7½	7½	7½	7½	7½
W't, lbs.	3	4½	5½	6	7½
Each	\$4.80	5.40	6.20	7.00	7.80

QUARTER DOZEN IN A BUNDLE

PERFORATED LANCE TOOTH



DISSTON'S CEDAR SAVAGE, spring steel, polished with supplementary handle.

No. E410—Feet	3½	4	4½
Width at butt, in.	7½	7½	7½
W't, lbs.	4½	5½	6½
Each	\$6.90	7.90	8.90

QUARTER DOZEN IN A BUNDLE



SIMONDS' CRESCENT GROUND, lance tooth. Accurately tapered from cutting edge to back. An even gauge all along the tooth edge. Cuts easy and saws fast. Double horn handle with large opening enabling operator to use glove or mitten in winter.

No. E223—Feet.	3½	4	4½
Width at butt, in.	7½	7½	7½
W't, lbs.	4½	5	5½
Each	\$7.70	8.60	9.60

HALF DOZEN IN A CASE



ATKIN'S special steel taper ground, has four cutting teeth and raker, with supplementary handle.

No. E654—Feet	3½	4	4½
Width at butt, in.	6½	6½	7
W't, lbs.	4½	5½	6½
Each	\$7.70	8.60	9.60

QUARTER DOZEN IN A BUNDLE

ICE SAWS
WAGON

DISSTON'S, wagon cast steel, polished, japanned iron handle.

No. 73—Inches	26	28	30
W't per doz., lbs.	42	47	55
Each	\$3.40	3.50	3.60

SIXTH DOZEN IN A BOX



Cast steel blade, polished malleable iron handle.

No. 175—Inches	26	28	30
Each	\$2.60	2.70	2.80

SIXTH DOZEN IN A BOX

POND



DISSTON'S, cast steel, polished, set and sharpened 10 gauge, tapered from 7 to 5 in., with handle.

No. E40—Feet	4	4½	5
W't, lbs.	10	12	13
Each	\$8.00	9.00	10.00

LOOSE

CROSS-CUT SAWS

HOLLOW BACK, CHAMPION TOOTH



CVD, finest crucible steel, specially hardened and tempered, taper ground, polished, without handles, 3½ in. wide.

The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness.

No. E210 CVD —Feet	5	5½	6	6½
W't, lbs.	3½	3¾	4	5
Each	\$4.00	4.40	4.90	5.30

LOOSE



DISSTON, cast steel, polished, without handles, 3½ in. wide.

No. E7 —Feet	5	5½	6	6½
W't, lbs.	3½	4½	4¾	5
Each	\$3.20	3.60	4.00	4.40

LOOSE



DISSTON'S, cast steel, polished, without handles, 3½ in. wide.

No. E8 —Feet	5	5½	6	6½
W't, lbs.	3½	4	4½	5
Each	\$4.00	4.40	4.90	5.30

LOOSE

DIAMOND TOOTH



CVD, Lone Star pattern, 14 to 18 gauge, high grade spring steel, extra thin back, without handles, all 5½ in. wide at center.

No. E205 CVD —Feet	5	5½	6	6½
W't, lbs.	4½	5	5½	6½
Each	\$7.40	8.20	9.00	9.80

LOOSE



ATKINS, special steel, graduated from 14 to 18 gauge, without handles.

No. E222 —Feet	5	5½	6	6½
Width at center, in.	6½	6¾	7½	7¾
W't, lbs.	4½	5½	7½	7¾
Each	\$7.40	8.20	8.90	9.60

LOOSE

CHAMPION TOOTH



DISSTON VIRGINIAN, crucible steel, finely polished and tempered ground 14 to 20 gauge, without handles.

No. E289 —Feet	5	5½	6
Width at center, in.	6½	6¾	7
W't, lbs. in.	6	6½	7
Each	\$9.20	10.80	12.30

CHAMPION TOOTH



REYNOLDS, cast steel, polished, thin back, graduated from 14 to 16 gauge, without handles.

No. E9 —Feet	5	5½	6	6½	7
Width at center, in.	7	7½	7¾	7¾	8
W't, lbs.	7½	8	8½	9	9½
Each	\$5.90	6.60	7.10	7.70	8.30

LOOSE



DISSTON'S, cast steel, polished, thin back, graduated from 14 to 16 gauge, without handles.

No. E2 —Feet	5	5½	6	6½
Width at center, in.	7	7½	7¾	7¾
W't, lbs.	6½	7	8	9½
Each	\$6.00	6.60	7.10	7.70

DISSTON'S, cast steel, polished, extra thin back, graduated from 14 to 18 gauge, without handles.

No. E1 —Feet	5	5½	6	6½
Width at center, in.	7	7½	7¾	7¾
W't, lbs.	5½	6½	7	7½
Each	\$6.90	7.70	8.40	9.00

LOOSE



DISSTON'S, zip cross cuts, champion tooth, finest crucible, steel blade, extra thin back, 14x19 gauge.

No. E33 —Feet	5	5½	6
Width at center, in.	5½	5¾	5¾
W't, lbs.	5	6	7
Each	\$9.20	10.80	12.30

LOOSE



SIMONDS', radial ground, champion tooth, made of Simonds' crucible steel and ground to a gradual and true taper from extreme point of tooth to back edge of saw blade. Even gauge all along the tooth edge, which gives the greatest possible clearance at all parts of the cut. Polished 14 to 19 gauge without handles.

Nos.	E1305½	E1306
Feet	5½	6
Width at center, in.	6¾	7
W't, lbs.	5½	6½
Each	\$11.70	13.50

LOOSE



SIMONDS', crescent ground champion tooth. Made of Simonds' crucible steel, tempered to hold a cutting edge longer than the ordinary saw. Ground to an even taper from tooth edge to back. Cut easy, saw fast and wear well. Polished, 14 to 19 gauge, without handles.

Nos.	E134½	E135	E135½	136	E136½
Feet	4½	5	5½	6	6½
Width at center, in.	5½	6½	6¾	7	7½
W't, lbs.	4½	5½	6½	7½	8½
Each	\$8.50	9.50	10.80	12.60	14.60

LOOSE

CROSS CUT SAWS

TUTTLE TOOTH



ATTN. finest crucible steel, especially hardened and tempered, taper-ground, polished, graduated 14 to 19 gauge, without handles.

The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness.

No. E200	Feet	5	5½	6	6½
Width at center, in.		6½	7	7½	7¾
W't, lbs.		5	6	6½	7½
Each		\$7.80	8.50	9.30	10.00

LOOSE



DISSTON'S, spring steel, extra thin back, graduated from 14 to 19 gauge, without handles.

No. E3	Feet	5	5½	6	6½
Width at center, in.		6½	7	7½	7¾
W't, lbs.		4½	5½	6½	7½
Each		\$7.80	8.60	9.40	10.20

LOOSE



These saws are known as Crescent Ground Cottonwood saws. They are particularly adapted for use in lumbering operations throughout the lower Mississippi Valley and bordering states.

SIMONDS' crescent ground cottonwood pattern. This saw is slightly narrower than the standard straight back saw. The teeth are ground to an even thickness throughout the entire length of the blade. Made of Simonds' polished, 14 to 19 gauge.

No. E325	Feet	5½	6	6½	7
Width at center, in.		5½	5¾	6¼	6¾
W't, lbs.		5½	6½	7½	8
Each		\$10.80	12.60	14.60	16.60

LOOSE

TUTTLE TOOTH



ATKINS' cast steel, graduated from 14 to 18 gauge, without handles.

No. E331	Feet	5	5½	6	6½
Width at center, in.		6½	6¾	7	7½
W't, lbs.		5	6	7	7½
Each		\$6.90	7.50	8.30	9.00

ATKINS' cast steel, graduated from 14 to 19 gauge, without handles.

No. E332	Feet	5	5½	6	6½	7
Width at center, in.		6½	6¾	7	7½	8
W't, lbs.		5	5½	6½	7½	9
Each		\$7.40	8.20	8.90	9.60	10.40

LOOSE

COMMON TOOTH



DISSTON'S, cast steel patent ground, 14 to 16 gauge, without handles.

No. E6	Feet	4	4½	5	5½	6
Width at center, in.		6½	6¾	6¾	7	7½
W't, lbs.		3½	4½	5½	6½	7
Each		\$4.80	5.20	5.80	6.50	7.20

LOOSE

GREAT AMERICAN



DISSTON'S, cast steel, polished, 14 to 16 gauge, without handles.

No. E31	Feet	5	5½	6
Width at center, in.		6½	7	7½
W't, lbs.		5½	7	7½
Each		\$7.20	8.00	8.80

LOOSE

CROSS CUT SAWS

PERFORATED LANCE TOOTH



The foundation of these saws is a special process steel, carefully inspected and tested in order to insure uniformity. Great care has been given to hardening and tempering to secure the proper degree of hardness and toughness.

No. E215—Feet 5 5½ 6 6½
Width at center, in. 5½ 6½ 6½ 7½
W't, lbs. 4½ 5½ 6½ 7½
Each \$8.80 9.70 10.60 11.50

LOOSE



DISSTON'S, spring steel, extra thin back, graduated from 14 to 18 gauge, without handles.

No. E16—Feet 5½ 6 6½
Width at center, in. 6½ 6½ 6½
W't, lbs. 5½ 6½ 7½
Each \$9.70 10.60 11.50

LOOSE



DISSTON SUWANEE, highest grade crucible steel, carefully ground, tempered and polished, 14 to 20 gauge. Four cutting teeth to each raker, without handles.

No. E34—Length, ft. 5 5½ 6
Width at center, in. 6½ 6½ 7
W't, lbs. 5 5½ 6½
Each \$9.00 10.80 12.60

LOOSE



SIMMONS', radial crescent cross-cut saw with lance tooth. Made of Simonds' crucible steel and ground to a gradual and true taper from extreme point of teeth to back edge of saw blade, even gauge all along the tooth edge, polished 14 to 19 gauge, without handles.

No. E2200—Feet 5½ 6
Width at center, in. 6½ 7
W't, lbs. 6½ 7½
Each \$11.70 13.50

LOOSE



SIMMONDS, cast steel, polished 14 to 19 gauge, four cutting teeth to each raker, used largely in the middle West and South.

No. E133—Feet 5½ 6 6½
Width at center, in. 5½ 6½ 6½
W't, lbs. 4½ 5½ 6½
Each \$10.80 12.60 14.40

LOOSE

PERFORATED LANCE TOOTH



SIMMONDS', crescent ground, lance tooth. Made of Simonds' crucible steel, tempered to hold a cutting edge longer than the ordinary saw. Ground to an even taper from tooth edge to back, polished, 14 to 19 gauge, without handles.

No. E22—Feet 5 5½ 6 6½
Width at center, in. 6½ 6½ 7 7½
W't, lbs. 5½ 6½ 7½ 8½
Each \$9.50 10.80 12.60 14.60

LOOSE



SIMMONDS', crescent ground cottonwood pattern. Slightly narrower than the standard straight back saw. The teeth are ground to an even thickness throughout the entire length of the saw. Made of Simonds' crucible steel, polished, 14 to 19 gauge.

No. E316—Feet 5½ 6 6½ 7
Width at center, in. 5½ 5½ 6½ 6½
W't, lbs. 5½ 6 6½ 7½
Each \$10.80 12.60 14.60 16.60

LOOSE



SIMMONDS', crescent ground cottonwood pattern. Slightly narrower than the standard straight back saw. The teeth are ground to an even thickness throughout the entire length of the saw. Made of Simonds' crucible steel, polished, 14 to 19 gauge, four cutting teeth to each raker.

No. E324—Feet 5½ 6 6½ 7
Width at center, in. 5½ 5½ 6½ 6½
W't, lbs. 5½ 6 6½ 7½
Each \$10.80 12.60 14.60 16.60

LOOSE



ATKINS', perfection, silver steel, perforated, lance tooth, 14 to 20 gauge, medium width, four cutting teeth to each raker, without handles.

This saw is especially adapted for hard wood and frozen timber.

No. E4—Feet 5½ 6 6½
Width at center, in. 5½ 6½ 6½
W't, lbs. 5½ 6 7
Each \$10.80 13.50 14.40

LOOSE

HAND AND RIP SAWS



No. 50-Cruso, 26 in., hand, cast steel, beech handle, polished edge, 3 screws, 5, 6, 7, 8 and 9 points, w't per doz. 21 lbs.per dozen \$18.00

HALF DOZEN IN A BOX



No. 75 REVOLOC—26 in., special, cast steel, polished blade, skew back, taper ground, carved and varnished beechwood handle, 4 brass screws, 6, 7, 8, 9 and 10 points, w't per doz. 23 lbs.per dozen \$30.40

THIRD DOZEN IN A BOX



No. 75S REVOLOC—26 in. ship carpenter's hand. Special cast steel, polished blade, skew back, taper ground, carved and varnished beechwood handle, 4 brass screws, 7, 8, 9 and 10 points, is about one inch narrower than regular hand saw, w't per doz. 19 lbs. ...per dozen \$30.40

THIRD DOZEN IN A BOX



Cast steel, grained blade, etched, skew back, polished beech handle, 4 brass screws.

No. 80—"I Will," 26 in., hand, 5, 6, 7, 8, 9 and 10 points, w't per doz. 22 lbs.per dozen \$23.40

No. 80—"I Will," 28 in., rip, 5, 5½ and 6 points, w't per doz. 27 lbs.per dozen \$27.20

No. 80—"I Will," 26 in., rip, 4½, 5 and 5½ points, w't per doz. 27 lbs.per dozen \$23.40

THIRD DOZEN IN A BOX



REVOLOC

Extra cast steel, grained blade, skew back, mahogany finish, carved handle, polished and etched, 4 brass screws.

No. 70 REVOLOC—26 in., hand, 6, 7, 8, 9 and 10 points, w't per doz. 23 lbs.per dozen \$37.20

No. 70 REVOLOC—28 in., rip, 5, 5½ and 6 points, w't per doz. 25 lbs.per dozen \$40.00

THIRD DOZEN IN A BOX



Extra cast steel, grained blade, skew back, apple handle, polished and etched, 4 plated brass screws.

No. 82 EYE—26 in., hand, 6, 7, 8, 9, 10, 11 and 12 points, w't per doz. 23 lbs.per dozen \$45.00

No. 82 EYE—22 in., rip, 6 and 7 points, w't per doz. 17 lbs.per dozen \$41.00

No. 82 EYE—24 in., rip, 5, 6 and 7 points, w't per doz. 20 lbs.per dozen \$43.00

No. 82 EYE—26 in., rip, 5, 5½, 6 and 7 points, w't per doz. 23 lbs.per dozen \$45.00

No. 82 EYE—28 in., rip, 4½, 5, 5½ and 6 points, w't per doz. 25 lbs.per dozen \$51.00

ONE IN A BOX



No. 82S EYE—26 in., ship carpenter's hand, extra cast steel, grained blade, apple handle, polished and etched, 4 brass screws, 7, 8, 9, 10 and 12 points, w't per doz. 19 lbs.per dozen \$45.00

Ship pattern is about one inch narrower than hand, the full length of saw. ONE IN A BOX



Extra cast steel, grained blade, straight back, carved apple wood handle, 4 brass screws.

No. 86 EYE—26 in., hand, 7, 8, 9, 10 and 12 points, w't per doz. 24½ lbs.per dozen \$45.80

No. 86 EYE—28 in., rip, 5, 5½ and 6 points, per dozen\$51.00

ONE IN A BOX



REVOLOC

Cast steel, polished blade, etched, skew back, polished beech handle, 4 brass screws.

No. 72 REVOLOC—26 in., hand, 5, 6, 7, 8, 9 and 10 points, w't per doz. 24 lbs.per dozen \$27.60

No. 72 REVOLOC—26 in., rip, 5, 5½ and 6 points, w't per doz. 24 lbs.per dozen \$27.60

THIRD DOZEN IN A BOX

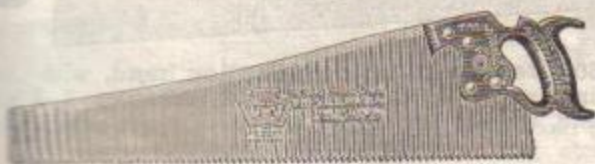
HAND AND RIP SAWS



Cast steel, grained blade, etched skew back, apple handle, polished edge, 5 improved screws.

No. 8D—D8—26 in., hand, 6, 7, 8, 9, 10, 11 and 12 points, w't per doz. 24 lbs.per dozen \$53.60
 No. 8D—D8—26 in., rip, 5, 5½, and 6 points, w't per doz. 27 lbs.per dozen \$53.60
 No. 8D—D8—28 in., rip, 4½, 5, 5½, 6 and 7 points, w't per doz. 30 lbs.per dozen \$61.30

THIRD DOZEN IN A BOX



DISSTON'S, spring steel, patent ground and tempered blade, etched, skew back, carved apple handle, polished, 5 improved screws.

No. 100D—D100—26 in., hand, 7, 8, 9, 10, 11 and 12 points, w't per doz. 25 lbs.per dozen \$60.00
 No. 100D—D100—28 in., rip, graduated teeth, 5, 5½ and 6 points, w't per doz. 29 lbs.per dozen \$66.90

THIRD DOZEN IN A BOX



DISSTON'S, cast steel, etched, grained blade, thin back, beech handle, polished edge, 4 improved screws.

No. 7—25 in., hand, 5, 6, 7, 8, 9 and 10 points, w't per doz. 24 lbs.per dozen \$47.40
 No. 7—25 in., hand, 4, 7 and 8 points, w't per doz. 30 lbs., per dozen \$55.80
 No. 7—26 in., rip, 4½, 5, 5½ and 6 points, w't per doz. 24 lbs.per dozen \$47.40
 No. 7—28 in., rip, 4, 4½, 5, 5½ and 6 points, w't per doz. 30 lbs.per dozen \$55.80

THIRD DOZEN IN A BOX



No. 115D—D115—Disston Victory, 26 in., skew back, hand, extra London spring steel, selected and highly polished blade, rosewood handle, carved and polished, 5 nickel plated screws, 7, 8, 9, 10 and 11 points, w't per doz. 27 lbs.per dozen \$90.80

ONE IN A BOX



DISSTON'S, spring steel, patent ground and tempered blade, etched, skew back, carved apple handle, polished, 5 improved screws.

No. 100DS—D100S—26 in., ship pattern, hand, 7, 8, 9, 10, 11 and 12 points, w't per doz. 25 lbs., per dozen \$60.00
 No. 100DS—D100S—26 in., ship pattern, rip, 5, 5½ and 6 points, w't per doz. 25 lbs.per dozen \$60.00

THIRD DOZEN IN A BOX



No. 075—26 in., Disston's, ship pattern, hand, cast steel, grained blade, thin back, etched, beech handle, polished edge, 4 improved screws, 7, 8, 9 and 10 points, w't per doz. 24 lbs.per dozen \$47.50

THIRD DOZEN IN A BOX



DISSTON DOUBLE DUTY

Especially adapted for general construction work, studding up houses, railroad, millwright and farm use. The Saw possesses an arrangement of teeth consisting of alternate sections of fine regular cross cutting and two ripping teeth, each section being separated by a deep gullet for full clearance of sawdust. This combination insures free running, easy and very rapid cutting.

No. 17D—Disston Double Duty, 26 in. crucible steel polished blade, skew back, hardwood polished handle with 5 brass screws, w't per doz. 24 lbs.per dozen \$57.90

THIRD DOZEN IN A BOX



No. 444—26 in., ship, vulcan cast steel, polished blade, skew back, taper ground, carved and varnished beechwood handle, 4 brass screws, 8, 9 and 10 point, w't per doz. 20 lbs.per dozen \$28.00

THIRD DOZEN IN A BOX

HAND AND RIP SAWS



No. 20D—D20—26 in. hand, refined crucible steel, highly polished blade, warranted, apple handle carved and polished, 5 brass screws, 26 in. skew back blade, 6 1/2 in. wide at butt, 1 1/2 in. at point, 7, 8, 9, 10 and 12 points, w't per doz. 24 lbs. per dozen \$60.00

THIRD DOZEN IN A BOX



Refined crucible steel, highly polished blade, warranted, apple handle carved and polished, 5 brass screws.

No. 23D—D23—26 in. hand, 26 in. straight back blade, 6 in. at butt, 1 1/2 in. at point, 7, 8, 9, 10 and 12 points, w't per doz. 24 lbs. per dozen \$60.00

No. 23D—26 in. rip, 5, 5 1/2 and 6 points, w't per doz. 24 lbs. per dozen \$60.00

THIRD DOZEN IN A BOX



DISSTON'S, extra refined London spring steel, selected and highly polished blade, handle carved and polished, 4 brass screws.

No. 12—26 in. hand, 7, 8, 9, 10, 11 and 12 points, w't per doz. 26 lbs. per dozen \$69.90

No. 12S—26 in. ship hand, 8, 9 and 10 points w't per doz. 21 lbs. per dozen \$69.90

No. 12—28 in. hand, 6, 7, 8, 9 and 10 points, w't per doz. 30 lbs. per dozen \$76.00

No. 12—26 in. rip, 5, 5 1/2 and 6 points, w't per doz. 25 lbs., per dozen \$69.90

No. 12—28 in. rip, 4 1/2, 5, 5 1/2 and 6 points, w't per doz. 31 lbs. per dozen \$76.00

THIRD DOZEN IN A BOX



DISSTON'S, extra refined London spring steel, selected and highly polished skew back blade, carved and polished apple wood handle, 4 brass screws.

No. 112—26 in. hand, 7, 8, 9, 10, 11 and 12 points, w't per doz. 27 lbs. per dozen \$71.10

No. 112—28 in. rip, 5, 5 1/2 and 6 points, w't per doz. 32 lbs., per dozen \$77.80

THIRD DOZEN IN A BOX

HAND AND RIP SAWS



DISSTON'S ACME, extra London spring steel, skew back, carved and polished apple handle, 5 screws, run entirely without set in dry seasoned lumber only.

No. 120—26 in. hand 8, 9, 10, 11 and 12 point, w't per doz. 25 lbs. per dozen \$86.30

No. 120—28 in. rip, 5, 5 1/2 and 6 points, w't per doz. 27 lbs. per dozen \$91.80

THIRD DOZEN IN A BOX



No. 60—Dexter, 26 in. combination hand, with 24 in. square and rule, straight edge, 3 screws, 6, 7, 8 and 9 points, w't per doz. 20 lbs. per dozen \$19.80

HALF DOZEN IN A BOX

PLUMBERS' SAWS



Most successful where nails are numerous and ruinous to all tools not adapted to cut them. In wood it makes a smooth cut. Handles adjust to any dimensions any pitch.

No. 010—20 in., special blade tempered to suit purpose of sawing nails and metal without injury to teeth, can be resharpened, adjustable carved handle, nicked trimmings, w't per doz. 11 lbs. per dozen \$48.00

THIRD DOZEN IN A BOX

FLOORING SAWS



For cutting out sections of floor, partitions or ceiling without necessity of boring holes or chiseling. Sections can be replaced in original position.

No. 190—18 in., crucible steel, polished blade, adjustable cherry handle, carved and polished, reversible blade, w't per doz. 11 lbs. per dozen \$56.00

THIRD DOZEN IN A BOX

SAW SCREWS



No. 1. No. 2. No. 3. No. 4. No. 8.

No. 1—Brass, diameter 1/2 in. per dozen \$0.80

No. 2—Brass, diameter 3/8 in. per dozen 1.00

No. 3—Brass, small eagle, diameter 1/2 in. dozen 1.30

No. 4—Brass, large eagle, diameter 1 in. dozen 1.50

No. 8—Iron, raised, diameter 1/2 in. per dozen .34

ONE DOZEN IN A BOX. AVERAGE W'T PER DOZ. 1/2 LBS.

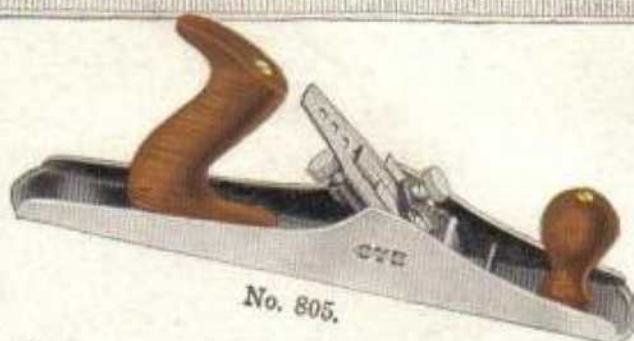
SELF-SETTING PLANE ASSORTMENTS



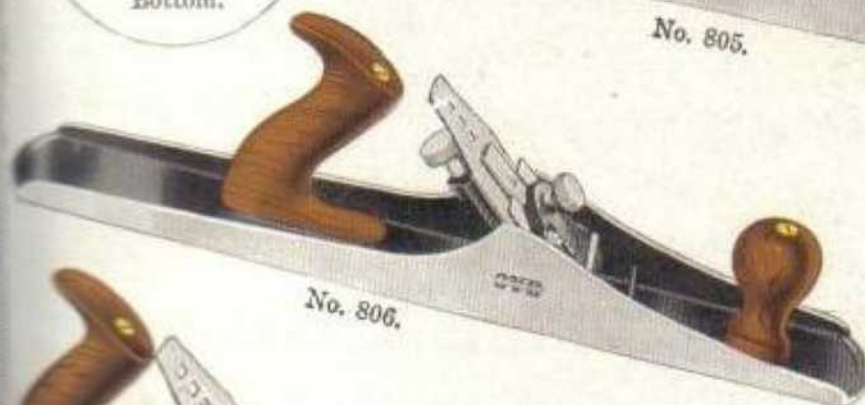
Corrugated Bottom.



Smooth Bottom.



No. 805.



No. 806.



No. 803.



No. 804.



No. 807.

No. E1 CVD—Assortment consisting of 7 smooth bottom iron planes and one wood plane assorted as follows:

No.	Retail Prices.
803	\$4.50 \$ 4.50
804	4.95 9.90
805	5.65 16.95
806	7.20 7.20
807	4.50 4.50

Total \$43.05

W't per asst. 48 lbs., per assortment \$52.00

No. E12 CVD—Assortment consisting of 11 smooth bottom iron planes and one wood plane assorted as follows:

Qt.	No.	Retail Prices.
1	803	\$4.50 \$ 4.50
3	804	4.95 14.85
5	805	5.65 28.25
1	806	7.20 7.20
1	807	8.10 8.10
1	835	4.50 4.50

Total \$67.40

W't per asst. 70 lbs., per assortment \$81.50

No. E8C CVD—Assortment consisting of 7 corrugated bottom iron planes and one wood plane assorted as follows:

Qt.	No.	Retail Prices.
1	803C	\$4.75 \$ 4.75
2	804C	5.25 10.50
3	805C	5.95 17.85
1	806C	7.60 7.60
1	835	4.50 4.50

Total \$45.20

W't per asst. 48 lbs., per assortment \$54.00

No. E12C CVD—Assortment consisting of 11 corrugated bottom iron planes and one wood plane assorted as follows:

Qt.	No.	Retail Prices.
1	803C	\$4.75 \$ 4.75
2	804C	5.25 15.75
3	805C	5.95 29.75
1	806C	7.60 7.60
1	807C	8.10 8.10
1	835	4.50 4.50

Total \$70.45

W't per asst. 70 lbs., per assortment \$85.20



No. 835

CYB SELF-SETTING IRON PLANES

SMOOTH BOTTOM

The cutter irons are made from special high grade steel, are thin and easily kept in order.

The malleable Frog and Steel Cap reduce greatly the liability of breakage.

Handle and knob are made of highly finished, thoroughly seasoned rosewood. They are securely fastened to plane with steel rods that have brass screw heads. Trimmings are nickel plated and japanned, giving the planes a very fine finish throughout.

The principal features of this line of new Planes are the self-setting cutting iron, the rigidity with which this is held in place by the plane cap, thus preventing any chatter in Plane, the fine adjustments that can be made with cutter for all kinds of work and the few parts used in its construction, which make it almost entirely free from any costs for repairs.

The Planes are set for fine work when they leave the factory.

SMOOTH



No. 803 CYB—8½ in. long, 1½ in. cutter, w't each 3 lbs., each\$5.40



No. 804 CYB—9 in. long, 2 in. cutter, w't each 3½ lbs., each\$5.90

JACK



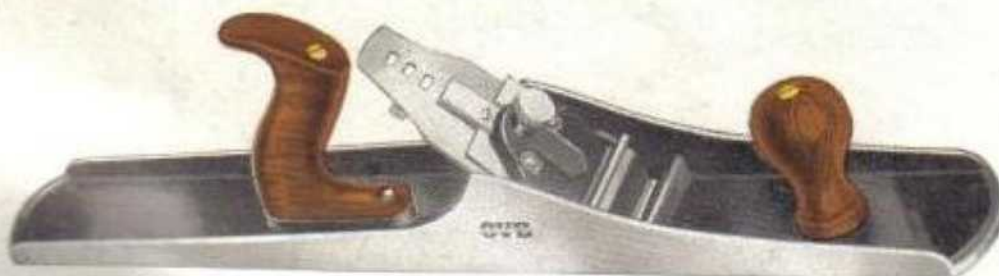
No. 805 CYB—14 in. long, 2 in. cutter, w't each 4½ lbs.each \$6.75

FORE



No. 806 CYB—18 in. long, 2½ in. cutter, w't each 5½ lbs.each \$8.70

JOINTER



No. 807 CYB—22 in. long, 3½ in. cutter, w't each 7 lbs.each \$9.90

ALL ABOVE ARE ONE IN AN ATTRACTIVE BOX

ROSE TOOLS, INC.

CYB SELF-SETTING IRON PLANES

CORRUGATED BOTTOM

Corrugated bottom planes are preferred by many users, because of there being less friction from the bottom, runs a little lighter. They have the self-setting cutter iron made from special high grade steel.

The malleable Frog and Steel Cap reduce greatly the liability of breakage.

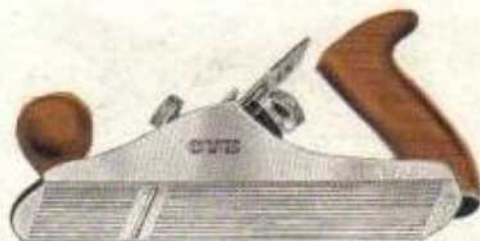
The Handle and Knob are made of highly finished, thoroughly seasoned rosewood. These are securely fastened to plane with steel rods that have brass screw heads. Trimmings are nickel plated and japanned. Plane is finely finished throughout.

The self-cutting feature lies in the construction of the plane iron. If taken out to be honed or sharpened, goes back in same position as before removal. The plane cannot chatter because the cutter iron is held rigid at the point by the cap; at the same time the cap screw used for tightening the cap is pressing against the binder plate on top of the cutter iron. This pressure against the binder plate holds the cutter firm its entire length.

SMOOTH



No. 803C CYB—8 $\frac{3}{4}$ in. long, 1 $\frac{1}{4}$ in. cutter, w't each 3 lbs.,
each\$5.65



No. 804C CYB—9 in. long, 2 in. cutter, w't each 3 $\frac{1}{2}$ lbs.,
each\$6.20

JACK



No. 805C CYB—14 in. long, 2 in. cutter, w't each 4 $\frac{1}{2}$ lbs.....each \$7.10

FORE



No. 806C CYB—20 in. long, 2 $\frac{1}{2}$ in. cutter, w't each 5 $\frac{1}{2}$ lbs.each \$9.10

JOINTER



No. 807C CYB—27 in. long, 3 $\frac{1}{2}$ in. cutter, w't each 7 lbs.each \$10.40

ALL ABOVE ARE ONE IN AN ATTRACTIVE BOX

ROSE TOOLS, INC.

OVB SELF-SETTING WOOD PLANES

Wood planes are preferred by many because of being lighter in weight than the iron planes.
OVB Wood Planes are made of specially selected beechwood, thoroughly seasoned and dried.
The iron frog with adjustable throat will lengthen greatly the life of these wood planes, as this frog and throat can be moved up to permit the bottom of the plane to be trued up when worn.
The cutter iron can also be adjusted sideways by loosening the small screw that holds the binder plate to cutter.
Keep cutter iron sharp and properly adjusted, and you will have a plane that is easy to push and will give the greatest satisfaction. In sharpening, care should be taken to keep the cutting edge straight and square with the edge of the cutter iron. Cutting iron can be adjusted sideways by loosening the set screw that holds binder plate to top of cutting iron.

SMOOTH

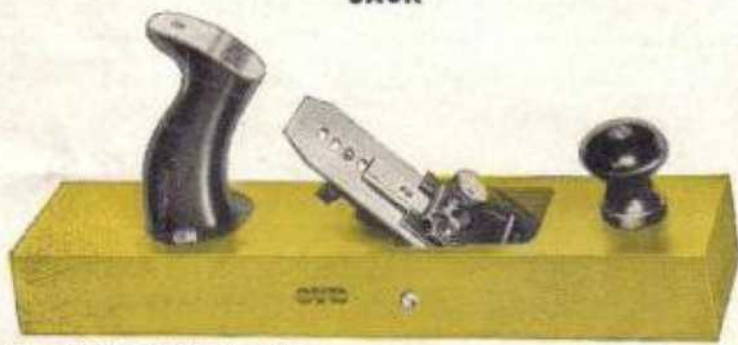


No. 835 OVB—10 in. long, 2 in. cutter, w't each 2½ lbs., each\$6.70



No. 822 OVB—10 in. long, 1½ in. cutter, w't each 2½ lbs., each\$6.30

JACK



No. 826 OVB—14 in. long, 2 in. cutter, w't each 4 lbs.each \$7.30

FORE



No. 828 OVB—18 in. long, 2½ in. cutter, w't each 5½ lbs.each \$8.30

JOINTER



No. 830 OVB—22 in. long, 3½ in. cutter, w't 6½ lbs.each \$8.90

ALL ABOVE ARE ONE IN AN ATTRACTIVE BOX

PANEL SAWS



DISSTON, extra cast steel, patent ground skew back, curved and polished apple wood handle, 4 plated screws.

PANEL , 8, 9, 10, 11 and 12 points.				
No. 82 (D23) —Inches.....	18	20	22	24
No. of screws	3	3	4	4
W't per doz., lbs.	12	15	17	20
Per dozen	\$38.00	39.30	41.50	43.80

THIRD DOZEN IN A BOX



DISSTON, extra cast steel, grained blade, skew back, genuine black walnut carved handle, polished and etched, brass screws.

PANEL , 9, 10 and 11 points.				
No. 70 (D8) —Inches	20	22	24	
No. of screws	3	4	4	
W't per doz., lbs.	15	17	20	
Per dozen	\$27.80	28.80	31.80	

THIRD DOZEN IN A BOX



H. S. B. & Co.'s "I WILL," cast steel grained blade, etched, skew back, polished beech handle, screws.

PANEL, 18 in., 8, 9, 10 and 11 points. 20, 22 and 24 in., 8, 9, 10, 11 and 12 points.

No. 80 —Inches	18	20	22	24
No. of screws	3	3	3	4
W't per doz., lbs.	13	15	18	20
Per dozen	\$16.80	18.70	21.10	22.60

THIRD DOZEN IN A BOX



"CRUSO," cast steel, beech handle, polished edge, 2 screws.

PANEL , 8, 9, 10 and 11 points.				
No. 50 —Inches	14	16	18	20
W't per doz., lbs.	9	10	12	14
Per dozen	\$11.80	13.80	15.50	17.50

HALF DOZEN IN A BOX



FOR HOUSEHOLD USE
No. 1921—DISSTON'S, "American Boy," 20 in., refined crucible steel, skew back, apple handle, carved and polished, 3 screws, 9 point. This saw is designed especially for household use, w't per doz. 15 lbs., per dozen \$39.60

ONE IN A BOX



DISSTON, straight back, refined crucible steel, highly polished blade apple handle, carved and polished, 4 brass screws 8, 9, 10 and 11 points.

No. 23—(D23) —Inches	20	22	24
W't per doz., lbs.	15	18	21
Per dozen	\$48.80	52.30	56.30

THIRD DOZEN IN A BOX



DISSTON'S, cast steel, skew back, grained blade and etched, polished apple wood handle, 4 improved screws, warranted.

PANEL , 8, 9, 10, 11 and 12 points.				
No. 8D (D8) —Inches	18	20	22	24
W't per doz., lbs.	12	15	18	19
Per dozen	\$40.40	44.30	47.60	51.10

THIRD DOZEN IN A BOX



DISSTON'S, spring steel patent ground and tempered, skew back, polished apple wood handle, 4 improved screws, warranted.

No. 100D (D100)—Inches	20	22	24
W't per doz., lbs.	16	19	21
Per dozen	\$48.80	52.30	56.30
No. 100DS (D100S)—22 in., ship, 10, 11 and 12 points, w't per doz. 16½ lbs.	per dozen \$52.30		
No. 100DS (D100S)—24 in., ship, 10, 11 and 12 points, w't per doz. 19 lbs.	per dozen \$56.30		

THIRD DOZEN IN A BOX



DISSTON'S, extra London spring steel blade, selected and highly polished apple handle, carved, 4 improved screws.

PANEL, 20 and 22 in., 9, 10 and 11 points. 24 in., 8, 9, 10 and 11 points.

No. 12 —Inches	20	22	24
W't per doz., lbs.	16	19	21
Per dozen	\$55.10	60.10	65.30

THIRD DOZEN IN A BOX



DISSTON'S, extra refined London spring steel, highly polished skew back blade, selected and polished apple handle, carved.

PANEL, 10, 11 and 12 points.			
No. 112—Inches	20	22	24
W't per doz., lbs.	16	19	21
Per dozen	\$55.80	61.30	66.50

THIRD DOZEN IN A BOX

COMPASS SAWS



CRUSO, cast steel, polished, beech handle, brass screws.

Nos.	5110	5112	5114
Inches	10	12	14
W't per doz., lbs.	4	4½	5
Per dozen	\$5.10	5.50	6.00



DISSTON'S cast steel, polished, apple handle, brass screws.

Nos.	210	212	214	216
Inches	10	12	14	16
W't per doz., lbs.	5	5½	5½	6
Per dozen	\$12.10	12.50	12.90	13.50

HALF DOZEN IN A BOX



polished blade, cherry handle, two nickel plated screws.

Nos.	1312	1314
Inches	12	14
W't per doz., lbs.	5½	6
Per dozen	\$12.50	12.90

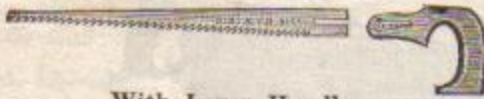
HALF DOZEN IN A BOX



Interchangeable, carved apple handle, two nickel plated screws, crucible, steel polished blade.

Nos.	1412	1414
Inches	12	14
W't per doz., lbs.	7	8
Per dozen	\$12.00	12.40

QUARTER DOZEN IN A BOX



With Lever Handle.

DISSTON'S, interchangeable, cast steel blade, detachable beechwood handle.

Nos.	412	414
Inches	12	14
W't per doz., lbs.	6	7
Per dozen	\$12.00	12.40

QUARTER DOZEN IN A BOX

EXTRA COMPASS BLADES
For Nos. 2, 4, 13 and 14

Nos.	0412	0414
Inches	12	14
Per dozen	\$7.20	7.60

ONE DOZEN IN A BOX



No. 5—Disston's, adjustable, 14 in., cast steel blade, applewood handle, w't per doz. 7½ lbs., per dozen \$15.40

HALF DOZEN IN A BOX

BACK SAWS



JACKSON'S, cast steel, polished, blued back, beech handle, polished edge, 11 points to the inch, 3 brass screws.

Nos.	110	112
Inches	10	12
Depth, in.	2½	2½
W't per doz., lbs.	10	13
Per dozen	\$27.60	33.40

Nos.	114	116
Inches	14	16
Depth, in.	3½	3½
W't per doz., lbs.	17	24
Per dozen	\$39.20	44.20

THIRD DOZEN IN A BOX



Crucible steel, polished edge, blued back, apple handle, 11 points to the inch, 3 brass screws.

Nos.	310	312	314
Inches	10	12	14
Depth, in.	2½	3	3½
W't per doz., lbs.	10½	15	18
Per dozen	\$39.20	44.20	50.20

Nos.	316	320	324
Inches	16	20	24
Depth, in.	4	4	4
W't per doz., lbs.	23½	31½	36½
Per dozen	\$55.50	65.00	75.40

Nos.	326	328
Inches	26	28
Depth, in.	4	5
W't per doz., lbs.	39	44
Per dozen	\$81.40	97.80

THIRD DOZEN IN A BOX



DISSTON'S, extra cast steel, polished, blued back, apple handle, polished edge, 11 points to the inch, 3 brass screws.

Nos.	408	410	412
Inches	8	10	12
Depth, in.	2	2½	3
W't per doz., lbs.	9	10	15
Per dozen	\$36.30	39.20	44.20

Nos.	414	416	420
Inches	14	16	20
Depth, in.	3½	3½	4
W't per doz., lbs.	19	24	31
Per dozen	\$50.20	55.50	65.00

Nos.	424	426	428
Inches	24	26	28
Depth, in.	4	4	5
W't per doz., lbs.	37	43	49½
Per dozen	\$75.40	81.40	97.80

The 20 to 28 in. saws are made especially for mitre boxes.

THIRD DOZEN IN A BOX

BACK SAWS



Crucible steel blade, applewood handle, nickel trimmings.

Blade is adjustable to any desired width from edge of back. One side of blade is for cross cut and the other side for rip sawing.

Nos.	1110	1112	1114
Inches	10	12	14
W't per doz., lbs.	14½	17	20
Per dozen	\$49.20	54.60	60.40

THIRD DOZEN IN A BOX

DOVETAIL SAWS



Polished handle, steel back, brass plated, extra quality spring steel blade. 1½ in. wide under back, 26 ga. 17 points.

No. 68—Inches	8	10
W't per doz.	4	5
Per dozen	\$23.50	26.00

ONE SIXTH DOZEN IN A BOX

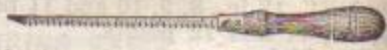


STAIR BUILDERS SAWS

No. 400—Disston's, 6 in. cast steel blade, polished beech handles, brass screws, w't per doz. 8 lbs., per dozen \$15.80

HALF DOZEN IN A BOX

KEYHOLE SAWS



The handle is slotted clear through permitting the adjustment of blade for length of cutting edge required.

No. 95—Disston's, round hardwood handles, polished, nickel plated ferrule, 10 in. ground thin-back blade, w't per doz. 3 lbs., per dozen \$11.50

HALF DOZEN IN A BOX

KEYHOLE SAWS AND PADS



No. 5—Disston's, japanned iron handle, 7 in. cast blade, w't per doz. 2½ lbs., per dozen \$6.70

No. 15—Iron pad keyhole saw blades, w't per doz. ½ lbs., per dozen \$3.70

ONE DOZEN IN A BOX

KEYHOLE SAW BLADES



No. 16—Disston's, polished cast steel, ground, set and sharpened, assorted sizes, 8, 9, 10, 11 and 12 in., per dozen \$5.70

ONE DOZEN IN A BOX

NESTS OF SAWS



No. 200—Beech handle, 2 nickel plated screws, 3 detachable steel blades, making 10 in. keyhole saw, 14 in. compass saw and 18 in. pruning saw, w't per doz. 10 lbs., per dozen\$33.70

QUARTER DOZEN IN A BOX



No. 3D—Disston's, polished apple-wood handle, with 2 nickel plated saw screws, 3 detachable cast steel polished blades, making 10 in. keyhole saw, 14 in. compass saw, and 18 in. pruning saw, w't per doz. 12 lbs.per dozen \$33.70

No. 1—Keyhole saw blades for aboveper dozen \$6.80

No. 2—Compass saw blades for aboveper dozen \$7.60

No. 3—Pruning saw blades for aboveper dozen \$14.60

No. 15—Handles for above, per dozen\$4.70

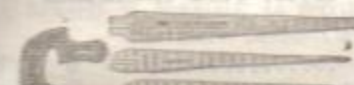
DOZ. 3 QUARTER DOZEN BLADES, DOZEN IN A BOX



No. 5—Polished beechwood handle, with 2 polished iron saw screws, 3 detachable blades, making 10 in. keyhole saw, 14 in. compass saw, and 18 in. pruning saw, w't per doz. 12 lbs.per dozen \$16.00

QUARTER DOZEN IN A BOX

PLUMBERS' NEST OF SAWS



No. 600—Disston's, consists of handle, tightener, and 3 blades, one 18 in. specially tempered, for wood and metal, one 14 in. compass blade and one 12 in. keyhole blade, w't per doz. 14½ lbs.per dozen \$49.00

QUARTER DOZEN NESTS IN A BOX

COPING SAWS



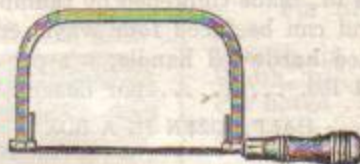
These blades are evenly tempered and will cut light metals in addition to wood and can be filed.

No. 202—Nickel plated steel frame, polished hardwood handle, adjustable to any position, ½ in. cut tooth blade, w't per doz. 7 lbs., per dozen\$13.60

ONE IN A BOX, ONE EXTRA BLADE

No. 1202—Extra Coping Blades for Coping Saws, per gross\$8.00

ONE DOZEN IN A BUNDLE

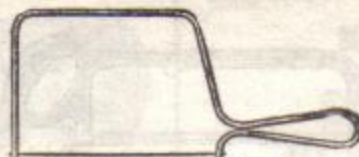


These blades are so evenly tempered they will cut light metals as well as wood and can be filed.

No. 125 FPM—½ in. blade, solid steel frame, oak handle, adjustable to any position, w't per doz. 5½ lbs., per dozen\$12.50

No. 1250—Extra coping blades, with pin, for No. 125FPM, assorted, per gross\$8.00

FOUR SAWS IN A BOX, ONE EXTRA BLADE

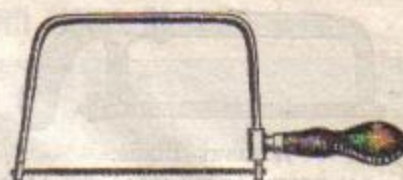


No. 0100—½ in. nickel plated steel frame, 6 in. blade with turned ends, 2 slots, for sawing at right angles, 1 dozen extra blades with each saw, w't per doz. 4½ lbs., per dozen \$4.50

No. 101—Extra Coping Blades for No. 0100per gross \$2.50

SAWS, HALF DOZEN IN A BOX; BLADES, ONE DOZEN IN A BUNDLE

COPING SAWS

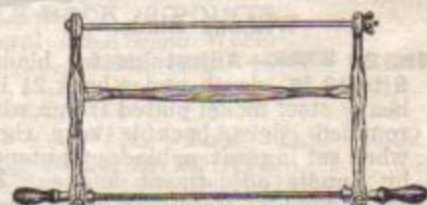


No. 210—½ in. cut tooth and tempered blade, nickel plated steel frame, adjustable wood handle, one blade with each saw, w't per doz. 4 lbs.per dozen \$7.00

No. 1210—Extra Coping Blades for No. 210per gross \$8.00

HALF DOZEN IN A BOX

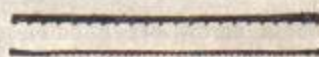
TURNING SAWS



No. 18—18 in., birch handles ebonized, steel tension rod, hardwood frame. For manual training use, also carpenters, for cornice, grills and other irregular work. w't per doz. 18½ lbs., per dozen\$31.60

ONE IN A BOX

BRACKET SAW BLADES



Length, 5 Inches.

Nos.	2/0	0	1	2	3
Per gross	\$2.50	2.50	2.50	2.50	2.50
Nos.	4	5	6	8	10
Per gross	\$2.50	2.50	2.50	2.90	3.20

GROSS IN A PACKAGE

BARNES' SCROLL SAW BLADES

7 in.—Widths ¼ in., ⅜ in., ½ in., ¾ in. and assortedper dozen \$2.10

TURNING AND FELLOE WEBS



Length, in.	10	12	14	16
Width, in.	1 to 1½	1 to 1½	1 to 1½	1 to 1½
Per dozen	\$3.80	4.00	4.30	4.90
Length, in.	18	20	22	24
Width, in.	1 to 1½	1 to 1½	1 to 1½	1 to 1½
Per dozen	\$5.40	6.10	6.80	7.60
Length, in.	26	28	30	
Width	1 to 1½	1 to 1½	1 to 1½	
Per dozen	\$8.40	9.40	10.30	

ONE DOZEN ASSORTED IN A PACKAGE

HACK SAW FRAMES



Without Blade.

No. 34—Adjustable for blades 8 to 12 in., depth under back $2\frac{1}{2}$ in. heavy, tempered nickel plated steel frame with rounded edges, pistol grip, ebonized handle very rigid when set in position, blades can be faced four ways, cherry handle, w't per doz. 18 lbs. ...per dozen \$22.80

ONE IN A BOX



Without Blade.

No. 25—Adjustable for blades 8 to 12 in., depth under back $2\frac{1}{2}$ in. heavy steel nickel plated frame with rounded edges, back is very rigid when set in position, blades tightened by handle adjustment and can be faced four ways, cherry handle, w't per doz. 14 lbs. ...per dozen \$16.00

TWO IN A BOX



Without Blade.

No. 10—Millers Falls, adjustable for blades 8 to 12 in., depth under back $2\frac{1}{2}$ in., nickel plated steel frame rounded edges, blades tightened by cocobola screw off handle, w't per doz. 15 lbs.per dozen \$37.20

ONE IN A BOX



Without Blade.

No. 55—Cruso, adjustable for blades 8 to 12 in., depth under back $2\frac{1}{2}$ in. nickel plated steel frame, rigid back when set in position, blades tightened by turning handle and can be faced four ways, stained hardwood handle, w't per doz. 12 lbs., per dozen\$7.00

ONE IN A BOX



Without Blade.

No. 4—Star, solid 9 in., depth under back $2\frac{1}{2}$ in., japanned malleable iron frame, blade tightened by thumb nut and can be faced four ways, rosewood handle, w't per doz. 15 lbs., per dozen\$9.00

HALF DOZEN IN A BOX

HACK SAW FRAMES



Without Blade.

No. 12—Keystone, 12 in., depth under back $2\frac{1}{2}$ in., japanned, solid oval back, hardwood handle, depth from inside edge to tooth edge of frame $2\frac{1}{2}$ in., w't per doz. 19 lbs., per dozen\$11.00

ONE IN A BOX



Without Blade.

No. 121—Solid 8 in., japanned malleable iron frame, depth under back $2\frac{1}{2}$ in., blade tightened by thumb nut and can be faced four ways, enameled hardwood handle, w't per doz. 11 lbs.per dozen \$5.50

HALF DOZEN IN A BOX



With Blade.

No. 1027—Millers Falls, adjustable for blades 8 to 12 in., depth under back $3\frac{1}{2}$ in., nickel plated steel frame, back is rigid when set in position, blade tightened by thumb nut and can be faced four ways, black composition handle, w't per doz. 18 lbs. ...per dozen \$36.00



DISSTON'S

With Blade.

No. 36—Adjustable for blades 8 to 12 in., depth under back $3\frac{1}{2}$ in., heavy nickel plated frame riveted sockets, hardwood handle with polished edges, blade can be faced four ways, with 8 in. blade, w't per doz. 19 lbs.per dozen \$28.00

HACK SAW FRAMES

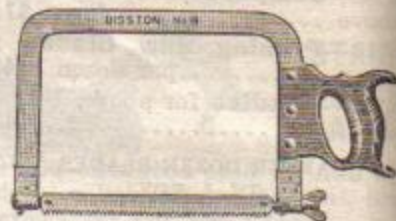


Without Blade

No. 6—Millers Falls, adjustable blades 6 to 12 in., nickel plated frame, cocobola handle, steel blade is $1\frac{1}{2}$ in., making it very strong and rigid. Blade can be faced four ways, depth under back $2\frac{1}{2}$ in., w't per doz. 16 lbs., per dozen\$37.00

ONE IN A BOX

RAIL HACK SAW FRAMES



Without Blade

Forged steel frame, solid socket, beechwood handle, for sawing beams, rails, etc.

WITH ONE HANDLE

Nos.	7	8
For blades, in.	12	14
Depth under back, in.	10 $\frac{1}{2}$	10 $\frac{1}{2}$
W't per doz., lbs.	43	46
Per dozen	\$37.30	40.00

WITH TWO HANDLES

Nos.	9	10
For blades, in.	16	18
Depth under back, in.	10 $\frac{1}{2}$	10 $\frac{1}{2}$
W't per doz., lbs.	57	60
Per dozen	\$48.80	50.00

ONE IN A BOX

HACK SAW BLADES

HAND BLADES

CVD Hack Saw Blades are built to stand the "gaff."
CVD is preferred by expert metal cutters. They are the men who know how well a good hack saw should "stand up."
 Flexible blades have soft backs and hardened and tempered cutting edges. They are less liable to break than the all hard blades.



ALL HARD 14 POINTS, NATURAL FINISH

For Soft Steel, Cast Iron, Etc.

Nos.	148	149	1410	1412
Length, in.	8	9	10	12
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$0.67	.75	.84	1.00

ALL HARD 18 POINTS, NATURAL FINISH

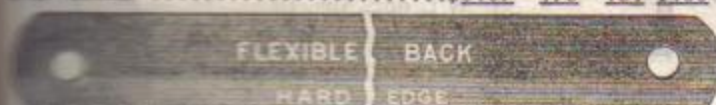
For General All-Around Work.

Nos.	188	189	1810	1812
Length, in.	8	9	10	12
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$0.67	.75	.84	1.00

ALL HARD 24 POINTS, NATURAL FINISH

For Brass, Copper, Iron Pipe and Sheet Metal.

Nos.	248	249	2410	2412
Length, in.	8	9	10	12
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$0.67	.75	.84	1.00



FLEXIBLE BACK 18 POINTS

For General All-Around Use.

Nos.	188F	189F	1810F	1812F	1818F
Length, in.	8	9	10	12	18
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$0.67	.75	.84	1.00	1.80

FLEXIBLE BACK 24 POINTS

For Brass, Copper, Iron Pipe and Sheet Metal.

Nos.	248F	249F	2410F	2412F	2418F
Length, in.	8	9	10	12	18
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$0.67	.75	.84	1.00	1.80

FLEXIBLE BACK 32 POINTS

For Taking on Very Thin Sheet Metal.

Nos.	3208F	3209F	3210F	3212F
Length, in.	8	9	10	12
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$0.67	.75	.84	1.00

CVD POWER BLADES



ALL HARD 21 GAUGE 14 POINTS, NATURAL FINISH

For Soft Steel, Cast Iron, Etc.

Nos.	1412P	1412P	1414P
Length, in.	12	12	14
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$1.20	1.35	1.50

ALL HARD 18 GAUGE 10 POINTS, NATURAL FINISH

For Heavy Power Work of All Kinds.

Nos.	1014P	1017P	10171P
Length, in.	14	17	17
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$2.28	2.77	3.48

ALL OF ABOVE ONE DOZEN IN A PACKAGE.
 HALF GROSS IN A BOX

HIBBARD HAND BLADES



A High Grade Crucible Steel Blade. Hardened and Tempered to Stand the Hardest Usage.

ALL HARD 14 POINTS, NATURAL FINISH

For General All-Around Work.

Nos.	148H	149H	1410H	1412H
Length, in.	8	9	10	12
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$1.10	1.20	1.30	1.60



FLEXIBLE BACK 18 POINTS

For General All-Around Work.

Nos.	188HF	189HF	1810HF	1812HF
Length, in.	8	9	10	12
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$1.10	1.20	1.30	1.60

FLEXIBLE BACK 24 POINTS

For Brass, Copper, Iron Pipe and Sheet Metal.

Nos.	248HF	249HF	2410HF	2412HF
Length, in.	8	9	10	12
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$1.10	1.20	1.30	1.60

ALL OF ABOVE ONE DOZEN IN A PACKAGE. HALF GROSS IN A BOX

STAR HAND BLADES



ALL HARD 14 POINTS, NATURAL FINISH

For Soft Steel, Cast Iron, Etc.

Nos.	148S	149S	1410S	1412S
Length, in.	8	9	10	12
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$0.67	.75	.84	1.00

ONE DOZEN IN A PACKAGE

FLEXIBLE BACK, 18 POINTS

For Brass, Copper, Iron Pipe and Sheet Metal.

Nos.	188SF	189SF	1810SF	1812SF
Length, in.	8	9	10	12
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$0.67	.75	.84	1.00

MILLERS FALLS HAND BLADES



ALL HARD 14 POINTS, NATURAL FINISH

For Soft Steel, Cast Iron, Etc.

Nos.	148M	149M	1410M	1412M
Length, in.	8	9	10	12
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$0.67	.75	.84	1.00

FLEXIBLE BACK, 18 POINTS, NATURAL FINISH

For General All Round Use.

Nos.	188MF	189MF	1810MF	1812MF
Length, in.	8	9	10	12
Width, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$0.67	.75	.84	1.00

ONE DOZEN IN A PACKAGE;
 1/2 GROSS IN A BOX

PRUNING SAWS



No. 44 C.V.B.—18 in., double edge cast steel blade, beechwood handle with 3 brass screws, w't per doz. 8½ lbs., per dozen \$18.80
THIRD DOZEN IN A BOX



No. 40—Duplex, 18 in. cast steel blade, beech handle, polished edge, 3 screws, w't per doz. 11 lbs., per dozen \$18.80
THIRD DOZEN IN A BOX



No. 5—Paragon, 18 in. cast steel blade, beech handle, polished edge, 3 screws, w't per doz. 11 lbs., per dozen \$33.10
THIRD DOZEN IN A BOX



Cast steel blade, apple handle, polished edge, 2 screws.
9 lbs. \$30.00

No. 3—20 in., Brown's, w't per doz. 9 lbs. \$23.70

No. 7—20 in., Disston's, w't per doz. 9 lbs. \$30.00
THIRD DOZEN IN A BOX



No. 45 C.V.B.—California pattern, 14 in. cast steel blade, beech handle, polished edge, w't per doz. 6½ lbs., doz. 8 lbs. per dozen \$17.20
HALF DOZEN IN A BOX



No. 50—Disston's, crescent California pattern, 12 in. blade, w't per doz. 8 lbs. per dozen \$17.20
HALF DOZEN IN A BOX



No. 38—Disston Tyler, folding handle, 10 in. Crucible Steel Blade. Blade tightens securely in handle when opened and closed. The teeth are formed to draw the saw into the wood and cut on the pull. Beechwood Handle with polished edges. W't per doz. 6½ lbs., per dozen \$19.90
HALF DOZEN IN A BOX

PRUNING SAWS



No. 19 C.V.B.—18 in., crucible steel blued blade. Blade can be adjusted to any position, flat polished back and hardwood handle, w't per doz. 21 lbs. per dozen \$34.30
SIXTH DOZEN IN A BOX

No. 119—Extra Pruning Blades for No. 19 saws, w't per doz. ¾ lbs., per dozen \$3.80



No. 20—Disston's, improved pole pruners, screw socket, japanned frame, 10 in. cast steel saw and 4 in. knife, w't per doz. 25 lbs., per dozen \$37.50
QUARTER DOZEN IN A BOX



No. 10—Disston's, tapered pole, polished steel frame, socket handle, 14 in. blade, without pole, w't per doz. 36 lbs. per dozen \$44.50
SIXTH DOZEN IN A BOX

No. 110—Extra Pruning Blades for No. 10 saws per dozen \$3.30



No. 15—Pacific Coast, 14 in. crucible steel blade, blued steel back, hardwood handle, with thumb screw. w't per doz. 18 lbs., per dozen \$47.80
The blade can be adjusted to any angle.

SIXTH DOZEN IN A BOX

No. 115—Extra Pruning Blades for No. 15 saws per dozen \$4.00

DISSTON PRUNING AND HOUSEHOLD SAWS



No. 47—Length 20 in., birch handle, varnished edges, brass screws, narrow crucible steel blued blade, 5 in. wide at butt, 1 in. at point, 7 points to in., w't per doz. 15 lbs., per dozen \$26.70
ONE THIRD DOZEN IN A BOX

KITCHEN SAWS



Extra quality steel finely polished flat back and blade, beech handle, 3 brass screws.

Nos.

	312	314	316	318
Inch	12	14	16	18
W't per doz.				

lbs.	12	13	14	16
Per dozen	\$12.60	13.30	14.00	15.00

HALF DOZEN IN A BOX



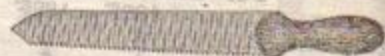
CRUSO

Polished steel, flat back and blade

Nos.	612	614	616	618
Inch	12	14	16	18
W't, doz., lbs.	9½	11	12	13
Per dozen	\$8.80	9.60	10.00	11.00

HALF DOZEN IN A BOX

SAW KNIVES



No. 13—11 in. cast steel blade, combining butcher knife and saw, 5 in. polished beechwood handle, w't per doz. 5 lbs. per dozen \$12.00

ONE DOZEN IN A BOX

DEHORNING SAWS



Japanned, malleable iron frame, 10 in. polished blade, beech handle.

No. 1—Disston's, w't per doz. 15 lbs., per dozen \$18.40

No. 2—Atkins', w't per doz. 15 lbs., per dozen \$18.40

HALF DOZEN IN A BOX

DEHORNING SAW BLADES

No. 11—10 in. Disston's, per dozen \$3.20

No. 12—10 in. Atkins', per dozen \$3.20

HALF GROSS IN A BOX

BUTCHERS' SAWS

Size given on butchers' saws is length of blade.



Polished steel flat back, 1 in. clock spring blued blade.

Nos. QVB	3314	3316	3318
Inches	14	16	18
Wt. doz., lbs.	25	27	29
Per dozen	\$33.30	34.00	34.70
Nos. QVB	3320	3322	
Inches	20	22	
Wt. per doz., lbs.	30	31	
Per dozen	\$36.50	37.60	
Nos. QVB	3324	3326	
Inches	24	26	
Wt. per doz., lbs.	33	35	
Per dozen	\$40.00	42.00	

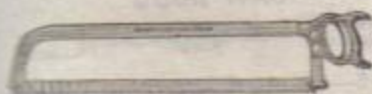
THIRD DOZEN IN A BOX



CRUSO, polished, flat steel back, 1 in. blued steel blade.

No. 3220—30 in., w't per doz. 26½ lbs.,	
per dozen	\$25.60
No. 3222—22 in., w't per doz. 28½ lbs.,	
per dozen	\$26.80

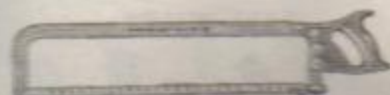
THIRD DOZEN IN A BOX



DISSTON'S, polished steel flat back, 1 in. polished blade.

Nos.	216	218	220
Inches	16	18	20
Wt. doz., lbs.	20	21	23
Per dozen	\$34.00	35.20	36.40
Nos.	222	224	
Inches	22	24	
Wt. per doz., lbs.	24	25	
Per dozen	\$37.60	40.00	

THIRD DOZEN IN A BOX



DISSTON'S, polished flat steel back, 1 in. polished blade.

Nos.	718	720	722
Inches	18	20	22
Wt. doz., lbs.	26	28	30
Per dozen	\$37.30	38.40	39.60
Nos.	724	726	728
Inches	24	26	28
Wt. doz., lbs.	38	41	45
Per dozen	\$42.00	44.00	46.70

THIRD DOZEN IN A BOX

BUTCHERS' SAW BLADES

QVB clock spring, blued, 1 in. wide.

Nos. QVB	5616	5618	5620
Inches	16	18	20
Per dozen	\$9.50	9.80	10.10
Nos. QVB	5622	5624	5626
Inches	22	24	26
Per dozen	\$10.50	10.90	11.30

ONE DOZEN IN A BOX

DISSTON'S, polished cast steel, 1 and 1½ in. wide.

Nos.	5022	5024	5026	5028
Inches	22	24	26	28
Per dozen	\$10.50	10.90	11.30	11.70

It is customary to send 1½ inches where width is not specified.

ONE DOZEN IN A BOX

DISSTON'S, clock spring, blued, 1 in. wide.

Nos.	5124	5126	5128
Inches	24	26	28
Per dozen	\$11.30	11.70	12.10

ONE DOZEN IN A BOX

QVB BUTCHER COILS



QVB finest quality blued clock spring steel, tempered, set, sharpened and fully warranted, 11 teeth to the inch, w't per coil 1½ lbs.

These saw blades are filed, set and refilled after setting. They are first quality in every respect, and can be re-sharpened if desired. Can be readily cut to any desired length and punched, thus making it unnecessary to carry several sizes in stock.

No. 024 QVB —1 in. x 25 ft.,	
per coil	\$3.80
No. 025 QVB —1 in. x 25 ft.,	
per coil	\$4.40
No. 026 QVB —1 in. x 25 ft.,	
per coil	\$4.80

ONE COIL IN A BOX

WOOD SAW BLADES

QVB

Plain, polished cast steel, set and sharpened, 30 in., w't per doz. 6½ lbs.

No. 132 QVB —4½ points,	
per dozen	\$11.30
No. 132½ QVB —5½ points,	
per dozen	\$12.00

ONE DOZEN IN A BOX

WOOD SAW BLADES

QVB Champion tooth, polished, cast steel, set and sharpened, 30 in., w't per doz. 6½ lbs.

No. 134 QVB —4½ points champion tooth	per dozen \$14.00
No. 134½ QVB —3 points, coarse champion tooth	per dozen \$14.00

ONE DOZEN IN A PACKAGE

No. 0145 REVERSE —Plain, extra thin back, narrow blued clock spring blade, set and sharpened, 4½ points, 30 in., w't per doz. 6 lbs.,	
per dozen	\$9.50

ONE DOZEN IN A PACKAGE

No. 78 REVERSE —Champion tooth, extra cast steel, set and sharpened, 30 in., w't per doz. 7 lbs.,	
per dozen	\$13.00

ONE DOZEN IN A PACKAGE

No. 0140 REVERSE —Plain, extra thin back, bow belly blade, extra cast steel, set and sharpened, 4½ points, 30 in., w't per doz. 8 lbs.,	
per dozen	\$12.50

ONE DOZEN IN A PACKAGE

No. 4—Jackson's, plain, cast steel, set and sharpened, 4½ points, 30 in., per doz. 7 lbs.	per dozen \$2.40
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ONE DOZEN IN A PACKAGE

No. 25 REVERSE —Plain, cast steel, blued, set and sharpened, 4½ points, 30 in., width 1½ in., w't per doz. 3½ lbs.,	
per dozen	\$8.50

ONE DOZEN IN A PACKAGE

DISSTON'S, plain, cast steel, patent ground and tempered, set and sharpened, 30 in., w't per doz. 7 lbs.

No. 6—4½ points	per dozen \$18.00
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ONE DOZEN IN A PACKAGE

No. 045—Disston's, plain, extra thin back, narrow blued clock spring blade set and sharpened, 4½ points, 30 in., w't per doz. 5 lbs.,	
per dozen	\$16.00

ONE DOZEN IN A PACKAGE

WOOD SAWS



Black enameled long and short arms, blue center 30 in. extra quality plain steel blade, extra heavy tinned rod, with bronzed turnbuckles, w't per doz. 60 lbs.

4½ POINTS TO THE INCH.

No. E32 —Full half dozen case, per dozen\$29.50

No. 32 —Less than half dozen, per dozen\$29.50

3 POINTS TO THE INCH.

No. E232 —Full half dozen case, per dozen\$31.60

No. 232 —Less than half dozen, per dozen\$31.60

HALF DOZEN IN A CASE



Black enameled long and short arms, blue centers 30 in. extra quality Champion tooth blade, extra heavy tinned rod with bronzed turnbuckles, w't per doz. 60 lbs.

4½ POINTS TO THE INCH.

No. E34 —Full half dozen case, per dozen\$31.60

No. 34 —Less than half dozen, per dozen\$31.60

3 POINTS TO THE INCH.

No. E234 —Full half dozen case, per dozen\$33.00

No. 234 —Less than half dozen, per dozen\$33.00

HALF DOZEN IN A BOX



HIBBARD

Patent frame, painted red
No. 78, 30 in. Champion tooth
extra cast steel blade, 22 in. clipper
rod, w't per doz. 58 lbs.

4½ POINTS TO THE INCH.

No. E178 Hibbard—Full half dozen
caseper dozen \$25.20

No. 178 Hibbard—Less than half
dozenper dozen \$25.20

HALF DOZEN IN A CASE

WOOD SAWS



REVONOC

4½ POINTS TO THE INCH.

Patent Frame, Painted Red.

30 in. thin back bow belly blade,
clipper rod, w't per dozen 58 lbs.

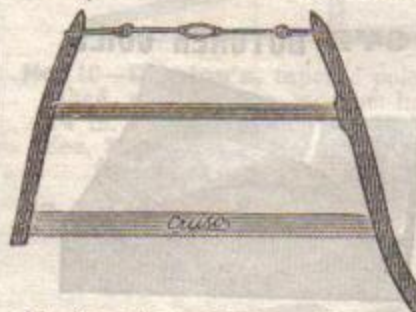
No. E140 —Full half dozen case,
per dozen\$22.00

No. 140 —Less than half dozen,
per dozen\$22.00

30 in. thin back clock spring blade,
clipper rod, w't per dozen 56 lbs.

No. E145 —Full half dozen case,
per dozen\$21.60

No. 145 —Less than half dozen,
per dozen\$21.60



30 in. plain blade, clipper rod,
4½ points to the inch. Hardwood
natural finished straight braced
w't per doz. 55 lbs.

No. E55 Cruso—Full half dozen case,
per dozen\$20.50

No. 55 Cruso—Less than half dozen,
per dozen\$20.50

HALF DOZEN IN A CASE



4½ POINTS TO THE INCH.

Patent frame, stained and varnished,
Disston's clock spring thin back blade,
duplex rod, w't per dozen 56 lbs.

No. E45—Full half dozen case,
per dozen\$33.00

No. 45—Less than half dozen,
per dozen\$33.00

HALF DOZEN IN A CASE

WOOD SAWS



4½ POINTS TO THE INCH.

Wood Sawyer's Delight, patent
frames, selected ash, oiled, Disston's
No. 11 extra thin back, London spring,
patent ground blade, extra heavy tin-
ned rod, w't per dozen 56 lbs.

No. E111—Full half dozen case,
per dozen\$39.00

No. 111—Less than half dozen,
per dozen\$39.00

HALF DOZEN IN A CASE

WOOD SAW FRAMES

No. 144 —

Braced

frame,

painted red, for

22 in. saw rod,

without saw

rod, w't per dz.

24 lbs.,

00'01\$ 'zop aed

No. 141—Short end pieces, w't per
doz. 9 lbs.per dozen \$2.70

No. 142—Long end pieces, w't per
doz. 10½ lbs.per dozen \$3.80

No. 143—Center pieces, w't per
doz. 4½ lbs.per dozen \$3.80

HALF GROSS IN A BOX

SAW RODS



No. 5—22 in., Clipper, w't per doz.
4½ lbs.per dozen \$2.70

ONE DOZEN IN A PACKAGE



No. 15—22 in., Duplex, w't per doz.
6 lbs.per dozen \$4.80

ONE DOZEN IN A BOX



No. 25—22 in., Samson, extra heavy,
tinned, japanned center, w't per doz.
8½ lbs.per dozen \$4.00

ONE DOZEN IN A PACKAGE

SAW BUCKS



No. E1—Folding, w't per doz. 80 lbs.,
per dozen\$9.00

HALF DOZEN IN A CRATE

SAW CLAMPS



The saw is clamped the entire length of the jaws by means of the folding handle, and can be jointed as well as filed by inverting the vise.

No. 77 **CVD**—Folding, all Steel, japanned, 11½ in. jaws, with rubber cushion, w't per doz. 35 lbs., per dozen\$26.00
ONE IN A BOX



The saw is held securely by lever clamp on back jaw and is below the top of the vise.

No. 15 **CVD**—T and channel steel, baked japan finish, nickel plated trimmings, 11½ in. jaws, rubber cushion, w't per doz. 34 lbs., per dozen\$26.60
ONE IN A BOX



No. 8—Crusa, japanned, 9½ in. jaws, light pattern, w't per doz. 36 lbs., per dozen\$12.00

No. 15—Crusa, adjustable, japanned, 11 in. jaws, malleable screw clamp, w't per doz. 31 lbs., per dozen \$19.20
LOOSE



No. 4—Adjustable, japanned, 9½ in. jaws, malleable screw clamp, w't per doz. 34 lbs., per dozen \$22.80

No. 5—Ball and socket, japanned, 9½ in. jaws, adjustable to any position, malleable screw clamp, w't per doz. 38 lbs., per dozen \$28.00
LOOSE



No. 1W—Wentworth's, japanned, 11 in. rubber cushioned jaws, w't per doz. 57 lbs.per dozen \$19.20

LOOSE



No. 3W—Wentworth's, adjustable, japanned, 11 in. rubber cushioned jaws, malleable screw clamp, w't per doz. 66 lbs.per dozen \$25.20

LOOSE



Instantly and securely fastened to a work bench without the aid of screws or nails or other means of fastening.

It self-adjusts the saw, saving time, and clamps or releases the same instantly. Will hold saw for jointing by passing blade through and resting the heel on the arch of the clamp.

No. 116—Perfection, malleable iron, japanned, with drive hooks to attach to bench or board, w't per doz. 31 lbs. per dozen \$16.50
QUARTER DOZEN IN A BOX



Can be fastened to a bench or board by either the clamp or screws, clamps fold out of way when not in use.

No. 200—Stearns', overhanging folding japanned, noiseless rubber cushioned jaw, w't per doz. 48 lbs., per dozen\$20.00
ONE IN A BOX



This is especially designed for those not skilled in saw filing, and is a help to an expert. It is adjustable to any and all positions, and when once set it is impossible to change the angle by mistake.

The clamp, guide, file and handle are included and not sold separately.

No. T3D—Disston's, japanned, extra heavy, adjustable, 12½ in. jaws, screw clamps for attaching to bench, complete with file, w't per doz. 234 lbs.per dozen \$104.00
ONE IN A BOX



The guide has three rigid positions in which it holds the file, one position for filing the saw on first side, another for filing it on the opposite side and a third for use in filing rip saws only. By means of the ball and socket joint the guide may be set at either of these positions, when thus set the file is rigidly held at the proper angle and incline for filing it is then impossible to file the teeth inaccurately.

No. 11—Stearns', japanned, nickel plated guide, adjustable to three rigid positions, 16 in. flat steel guide bar, 10½ in. planed jaws, rubber cushioned, screw clamp, complete with file, w't per doz 105 lbs., per dozen\$66.00
ONE IN A BOX

SAW SETS



No. 02—Morrill's Pattern, polished, for hand saws, length 7 in., w't per doz. 8 lbs.per dozen \$9.00

ONE IN A BOX
HALF DOZEN IN A CARTON



REYNOLDS—Gun-metal finish, heavy nicked trimmings, for hand saws, adjustable anvil and sliding gauge on top, w't per doz. 9 1/2 lbs., per dozen\$19.60

ONE IN A BOX
HALF DOZEN IN A CARTON



Twenty adjustments are obtainable. The punch moves in nearly the same circle as the tooth which it sets, consequently the tooth is not distorted nor its point curled. Faces of anvil are numbered and will produce any setting required.

No. 7—Taintor Positive, entirely of steel, parts interchangeable, length 6 1/2 in., w't per doz. 6 1/2 lbs., per dozen\$21.00

HALF DOZEN IN A BOX



No. 106—Morrill's Pattern, polished, for timber and board saws, from 6 to 14 gauge—circumference of saw makes no difference—length 15 in., w't per doz. 42 lbs., per dozen\$42.00

No. 203—Morrill's Pattern, polished, for single tooth cross-cut and small circular saws, length 10 in., w't per doz. 14 1/2 lbs.per dozen \$28.00

No. 204—Morrill's Pattern, polished, for Champion or M tooth cross-cut saws, length 10 in., w't per doz. 12 lbs.per dozen \$28.00

HALF DOZEN IN A BOX



No. 02—Morrill's Pattern, polished, for hand saws, length 7 in., w't per doz. 8 lbs.per dozen \$9.00

HALF DOZEN IN A BOX



PERFECT NO. 1
SAWSET

No. 1—Morrill's, with sliding anvil for hand, band, jig, butcher and fret saws not over 16 gauge, polished, length 6 1/2 in., w't per doz. 8 lbs., per dozen\$30.00

HALF DOZEN IN A BOX



No. 95—Morrill's, with indexed rotatable anvil, for hand saws not over 16 gauge, polished, 6 1/2 in., w't per dozen 7 lbs. ...per dozen \$28.80

HALF DOZEN IN A BOX



No. 50—Morrill's Special, with fully indexed, rotatable anvil giving correct set by turning number on anvil corresponding to the number of saw teeth to the inch of the saw, to the point of the plunger for hand, band, jig, butcher and fret saws not over 16 gauge, polished, length 6 1/2 in., w't per dozen 8 lbs., per dozen\$28.80

HALF DOZEN IN A WOOD BOX



No. 3—Morrill's, with sliding anvil for cross-cut and circular saws, single tooth 14 to 20 gauge, cast finished, length 9 1/2 in., w't per doz. 16 lbs.per dozen \$43.00

No. 4—Morrill's, with sliding anvil for Champion "M" and other double-toothed saws 14 to 20 gauge, cast finished, length 9 1/2 in., w't per doz. 16 lbs.per dozen \$43.00

HALF DOZEN IN A WOOD BOX



No. 5—Morrill's, with sliding anvil for timber and board saws 6 to 16 gauge, cast finished, length 15 in., w't per doz. 40 lbs., per dozen \$72.00

HALF DOZEN IN A WOOD BOX



No. 2—Disston's Monarch, Barf finish, for hand and back saws, length 6 in., w't per doz. 6 1/2 lbs., per dozen\$18.75

No. 20—Disston's Monarch, Barf finish, for cross-cut saws, length 10 in., w't per doz. 24 lbs., per dozen\$40.00

NO. 2 ONE DOZEN, NO. 20 HALF DOZEN IN A BOX



No. 28—Disston's Triumph, Barf finish, for hand saws, web and band saws, length 7 1/2 in., w't per doz. 9 lbs.per dozen \$23.80

No. 18—Triumph, polished, for circular and cross cut saws, 14 gauge and lighter, w't 15 lbs., per dozen\$31.50

ONE IN A BOX

SAW SETS



No. 42—For Back and Hand Saws.



No. 43—For Cross Cut Saws.

Stanley, pistol grip, fine black finish tool, steel plunger and anvil hardened and tempered, can be readily adjusted to give a greater or less set to the teeth of saw, anvil is graduated so that same adjustment can be easily obtained for duplicate work, the saw teeth are in plain view which enables the user to quickly adjust the tool to the tooth to be set.

No. 42—For back and hand saws, w't per doz. 8 lbs., per dozen \$37.60

No. 43—For cross cut saws, w't per doz. 18 lbs.,per dozen \$68.80

ONE IN A BOX



No. 100—Whitings pattern, polished steel, for cross-cut saws only, length 24 in., w't per doz. 3 lbs.,

per dozen\$12.00

TWO DOZEN IN A BOX

SAW GAUGES



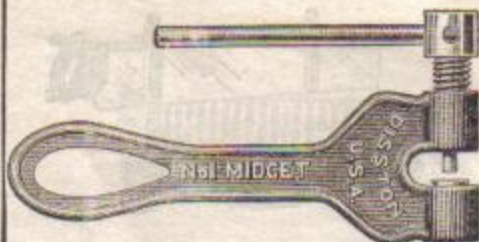
The single gauge is for regulating the length of clearer teeth and width of set in cross-cut saws. The double gauge does the same for both hand and soft wood.

No. 51—Atkin's, single, w't per doz. 24 lbs.,per dozen \$1.80

No. 52—Atkin's, double, w't per doz. 3 lbs.,per dozen \$2.50

ONE IN A BOX

SAW PUNCHES



No. 1.

No. 1—Midget, length 6½ in., japanned, wood handle, brass ferrule, steel punch, for punching holes in butcher and hack saw blades, w't per doz. 10 lbs.,per dozen \$30.00

No. 2—Midget, length 5½ in., japanned iron, for punching holes in butcher and hack saw blades, w't per doz. 6 lbs.,per dozen \$20.40

ONE IN A BOX

SAW TOOLS



Jointer.

No. 53—Atkins' Dexter, combining jointer, raker tooth, gauge, side file, w't per doz. sets 6 lbs., per dozen sets\$9.60

HALF DOZEN IN A BOX



Jointer.



Tooth Gauge.



Setting Block.



Set Gauge.

Combining jointer, tooth gauge setting block and set gauge, w't per doz. sets 18 lbs.

No. 54—Atkin's Excelsior, per dozen sets\$12.50

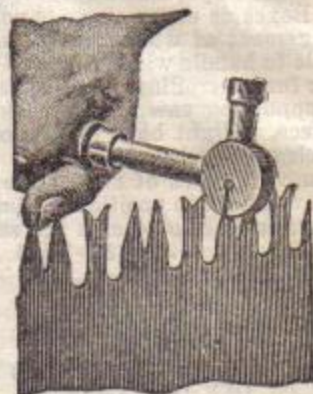
No. 55—Excelsior pattern, per dozen sets\$8.50

ONE SET IN A BOX

SAW TOOL SETS



Jointing, raker and cleaner tooth gauge.



Set and swaging hammer.



Set Gauge.



Setting Stake.

Simond's Crescent, including jointing, raker and cleaner tooth gauge, setting stake set gauge and set.

No. 8—With swaging hammer, w't per doz. sets 22 lbs., per dozen sets\$34.50

No. 08—Without hammer, w't per doz. sets 16 lbs., dozen sets \$24.00

No. 88—Hammers only, w't per doz. 6 lbs.,per dozen \$10.50

SIXTH DOZEN IN A BOX

SAW JOINTERS



It can be adjusted in a moment to the largest cross-cut or finest hand-saw, and will joint or square any straight edge. Flat, triangular or half-round file can be used, saves time, labor, wear and tear on the hands, and insures accuracy.

No. 1—Perfect, japanned steel, adjustable, length 4½ in., w't per doz. 8 lbs., per dozen\$12.00

HALF DOZEN IN A BOX

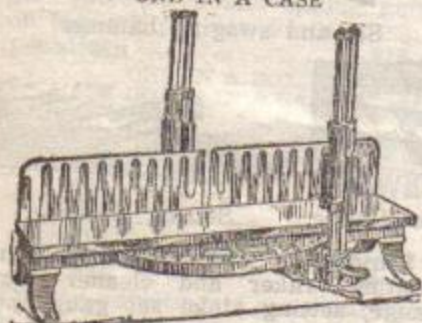


Black enamel finish with nickel trimmings—fitted with special back saw.

Notched segment and locking device is the most important improvement in Mitre Boxes as every angle is positive. Arrangement of work clamps make it possible to handle wider range of work. Device for controlling depth of saw cut and supporting saw above work is in one piece. Slight blow on top of saw will release it when held above work. Cast lugs on sides of saw guide posts hold saw guides in position so that saw slots are in line to receive the saw.

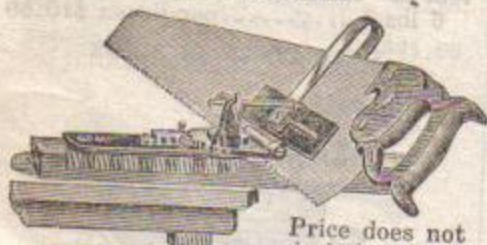
Nos.	T426	T528	T530
Saw, in.	26x4	28x5	30x5
Cap. r. angles, in.	8	8	9
Cap. at 45 deg., in.	6½	6½	7
W't, lbs.	35	35	37
Each	\$29.00	30.20	31.50

ONE IN A CASE



No. T50½—Stanley's, single-piece frame, base and back accurately machined, all parts interchangeable, adjustable saw guides, either back or panel saws may be used, w't 21 lbs.each \$13.90

ONE IN A CASE



Price does not include saw.

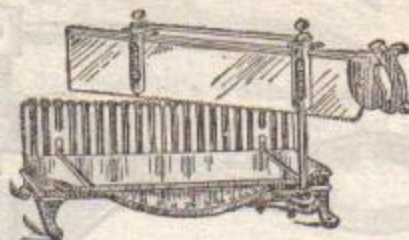
MILLER FALLS

No. 41—Steel, japanned finish, bright parts nickel plated; adapted for places where it is impracticable to use a large box, especially for mouldings, cornices, etc., at top of ladder; saw clamp attached to frame by hinge permits, saw to be tilted for cutting wide range of bevels; bed plate has double shelf or rest, permitting cut to be made at either right or left angle; adapted for either a panel or back saw, w't each 2½ lbs.each \$7.00

TWO IN A BOX

All Saws Furnished with Mitre Boxes Shown on this Page are Eleven Points to the Inch.

MITRE BOXES



STANLEY'S, single piece frame, malleable iron legs, steel saw guide, rods, complete with high grade 11 pt. saw.

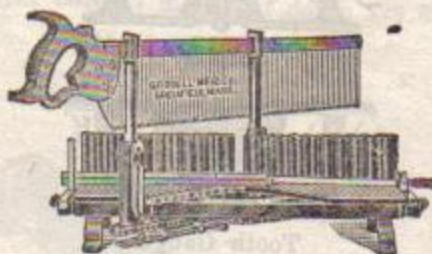
Saw is supported above work, swivel clamped automatically. Supplied with spring catch, allowing swivel to swing free. Second socket in swivel allows use of short saw, parts interchangeable.

Nos.	T242	T244	T246
Saw, in.	22x4	24x4	26x4
W't, lbs.	27	30	30
Each	\$29.00	29.70	30.40

Nos.	T346	T358	T460
Saw, in.	26x4	28x5	30x6
W't, lbs.	35	40	53
Each	\$33.00	34.80	41.70

Nos. 242, 244 and 246 have a right angle capacity of 8½ in., 5½ in. at 45 deg. and 3½ in. at 30 deg. Nos. 346 and 358 have a right angle capacity of 9½ in., 6½ in. at 45 deg. and 4½ in. at 30 deg.

ONE IN A CASE

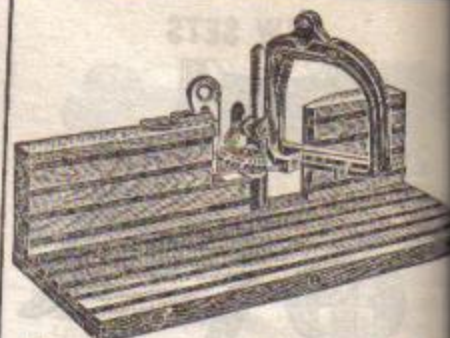


GOODSELLS Bessemer steel box, corrugated cold rolled steel back, with Disston's saw and attachments.

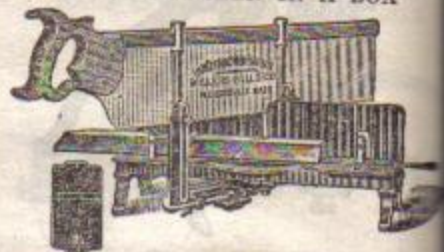
These bases have automatic stops to hold up the saw, allowing the operator to use both hands in placing the wood. The backs are corrugated to ¼ in. in depth and ½ in. in width, allowing perfect clearance for sawdust. These boxes give 10½ in. at right angles and 7½ in. at mitre.

Nos.	T264	T285	T305	T306
Saw, in.	26x4	28x5	30x5	30x6
W't, lbs.	30	35	35	37
Each	\$33.00	36.00	37.50	40.50

ONE IN A CASE



No. 5—Perfection, bed and back made from selected wood with laid strips to prevent warping, can be used with a back, hand or panel saw, capacity 45, 36, 30, 22½ and 9 degrees, w't 7 lbs.each \$5.00
SIXTH DOZEN IN A BOX



LANGDON ACME, complete with Disston's No. 6 saw.

Has notches for positive angles; graduated arc in front showing various degrees, metal index plate with degree marks attached to machine.

Nos.	T68	T69	T70
Saw, in.	22x4	24x4	26x4
W't, lbs.	35	35½	36
Each	\$27.20	28.40	31.00

Nos.	T74	T75
Saw, in.	28x5	30x6
W't, lbs.	38	40
Each	\$35.00	37.00

Capacity at mitre Nos. T68, T69

5 in., Nos. T73, T74 and T75 7 in.

Capacity at right angles Nos. T68, T69 7½ in., Nos. T73, T74 and T75 10½ in.

ONE IN A CASE



Has a rule and gauge, measures from either side of machine alike making it possible to cut sides and ends of frame exactly the same length. Clamps on either side hold work securely in position.

No. T20—Marsh, mitre machine and picture frame vise, malleable iron, japanned finish, saw is 26x4½ in. will cut any moulding 4½ in. in width, or less, and will join any frame 7½x7½ in. or larger, w't 40 lbs., each\$32.00

ONE IN A CASE

BENCH STOPS



No. 810 Hotchkiss', $3\frac{1}{2} \times 1\frac{1}{2}$ in., polished face, reversible, w't per doz. 8 lbs.per dozen \$14.00

ONE DOZEN IN A BOX



No. 811 Morrill's pattern, $3\frac{1}{2} \times 2$ in., polished face, w't per doz. 12 lbs., per dozen\$19.20

HALF DOZEN IN A BOX

BENCH SCREWS



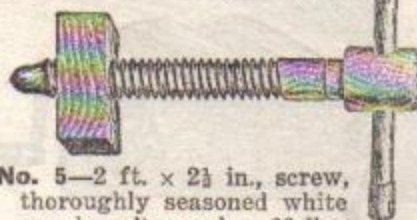
Movable collar, double thread, wrought steel screw, wood handle.

Nos.	41	42	43
Inches	1	$1\frac{1}{2}$	$1\frac{1}{2}$
Entire length, in. . .	16	16	17
Per dozen	\$16.00	18.70	21.60

No. 2—Extra Nuts for No. 4, $1\frac{1}{2}$ in., per dozen\$3.00

No. 3—Extra nuts, for No. 4, $1\frac{1}{2}$ in., per dozen\$4.20

ONE DOZEN IN A CASE



No. 5—2 ft. \times $2\frac{1}{2}$ in., screw, thoroughly seasoned white maple, w't per doz. 66 lbs., per dozen\$18.00

TWO DOZEN IN A CASE

HAND SCREWS



Selected Maple jaws, selected hickory screws.

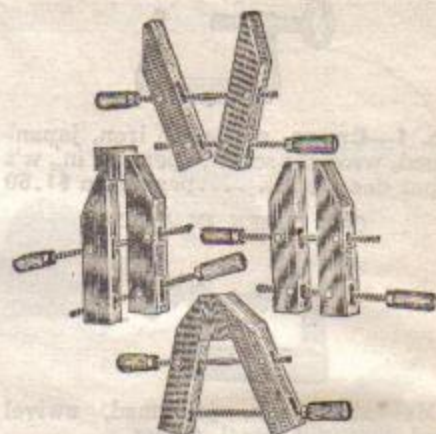
Nos.	224	223	222
Length, jaw, in. . .	8	10	12
Length screw, in. .	10	12	14
Open, in.	$4\frac{1}{2}$	$5\frac{1}{2}$	$7\frac{1}{2}$
Size of jaw, in. . .	18	18	18
Diam. screw, in. . .	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$
W't, doz., lbs.	16	26	35
Per dozen	\$10.80	13.20	15.30

Nos.	221	219
Length jaw, in.	14	16
Length screw, in.	16	18
Open, in.	$8\frac{1}{2}$	$9\frac{1}{2}$
Size of jaw, in.	2	$2\frac{1}{2}$
Diam. screw, in.	$\frac{3}{8}$	$\frac{3}{8}$
W't per doz., lbs.	55	74
Per dozen	\$18.00	28.00

Nos.	218	217
Length jaw, in.	18	20
Length screw, in.	20	24
Open, in.	101	131
Size of jaw, in.	21	21
Diam. of screw	$1\frac{1}{2}$	$1\frac{1}{2}$
W't per doz., lbs.	102	128
Per dozen	\$32.40	43.20

NOS. 224, 223 AND 222 TWO DOZEN;
BALANCE, ONE DOZEN IN A CASE

JORGENSEN'S HAND SCREWS



Selected straight grain hard maple jaws, cold drawn steel spindles, cold drawn steel nuts, accurately cut threads of special quick-acting type, scientifically designed and liberally proportioned to insure great strength.

Nos.	000	0	1
Length jaw, in. . .	6	8	10
Length, screw, in. $5\frac{1}{2}$	7	$8\frac{1}{2}$	
Open, in.	3	$4\frac{1}{2}$	6
Size of jaw, in. . .	$1\frac{1}{2} \times 1\frac{1}{2}$	$1\frac{1}{2} \times 1\frac{1}{2}$	$1\frac{1}{2} \times 2$
Diam. screw, in. . .	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
W't per doz., lbs. .	11	23	30
Per dozen	\$22.40	24.70	29.20

Nos.	22	23
Length jaw, in.	12	14
Length screw, in.	12	14
Open, in.	8	
Size of jaw, in.	$1\frac{1}{2} \times 2\frac{1}{2}$	$2\frac{1}{2} \times 2\frac{1}{2}$
Diam. screw, in.	$\frac{7}{16}$	$\frac{7}{16}$
W't per doz., lbs.	48	60
Per dozen	\$32.50	35.80

Nos.	24	25
Length of jaw, in.	16	18
Length screw, in.	16	20
Open, in.	12	14
Open, in.	$2\frac{1}{2} \times 2\frac{1}{2}$	$2\frac{1}{2} \times 2\frac{1}{2}$
Size of jaw, in.	$2\frac{1}{2} \times 2\frac{1}{2}$	$2\frac{1}{2} \times 2\frac{1}{2}$
W't per doz., lbs.	90	96
Per dozen	\$42.60	49.30

LOOSE

CABINET MAKERS' CLAMPS



No. N258—Selected maple frame, hickory screw, length inside of jaws 4 ft., w't per doz. 80 lbs., per single dozen\$21.00

LOOSE

HSB & CO.
REV-O-NOC

We Stand Behind the Brand.

QUILT FRAME CLAMPS



No. 1—Cruso, malleable iron, japanned, wrought screw, opens 2½ in., w't per doz. 3½ lbs.per dozen \$1.50

ONE DOZEN IN A BOX



Malleable iron, japanned, swivel head wrought steel screw.

No. 010—Cruso, opens 2 in., w't per doz. 3½ lbs.per dozen \$2.70

No. 020—Cruso, opens 3 in., w't per doz. 5½ lbs.per dozen \$3.00

ONE DOZEN IN A BOX

DRAUGHTSMAN'S CLAMPS



Intended for draughtsman's use on small work of any kind. Malleable iron, nicely finished in nickel plate with polished steel screw.

Nos.	11	12	14
Opening, in.	2	2	1½
Depth, in.	1	1½	1½
W't per doz., lbs.	1	1½	1½
Per dozen	\$2.20	2.30	3.00

FOUR DOZEN IN A BOX

CARRIAGE MAKERS' CLAMPS



This is an exceedingly well made tool. Frame is of best grade malleable iron, heavily reinforced and so shaped as to give greatest strength for the metal used. Screw is steel.

Nos.	2	3	4	5
Opening, in.	2½	3	4	5
W't, doz., lbs.	14	16	20	27
Per dozen	\$5.00	5.80	8.00	10.00

HALF DOZEN IN A BOX

Nos.	6	7
Opening, in.	6	7
W't, doz., lbs.	30	36
Per dozen	\$13.00	16.00

LOOSE

Nos.	8	10
Opening, in.	8	10
W't per doz., lbs.	42	60
Per dozen	\$20.00	26.00

LOOSE

ECCENTRIC CLAMPS



STYLE B

1½×¾ in. steel bar, japanned iron finish.

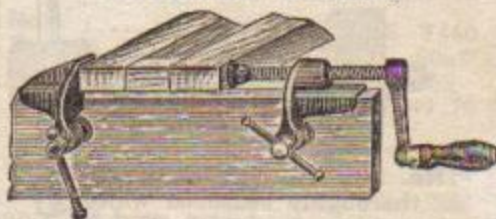
The sliding jaw moves easily and by an automatic enclosed spiral spring is held firmly in place at any desired point on the bar.

Nos.	N202	N250
Length, ft.	2	2½
W't per doz., lbs.	60	70
Per dozen	\$42.30	48.00

Nos.	N203	N204
Length, ft.	3	4
W't per doz., lbs.	84	98
Per dozen	\$52.80	64.00

LOOSE

UNIVERSAL CLAMPS



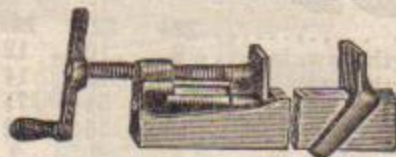
Malleable iron, steel screw with deep machine cut threads.

No. 32—For lumber up to 1½ in., w't per doz. 66 lbs., per dozen \$48.00

No. 33—For lumber up to 2 in., w't per doz. 75 lbs., per dozen \$56.00

LOOSE

SHELDON'S CLAMPS



Malleable iron, 8×7 in. steel screws with square cut threads cut from cold rolled steel, face of jaws 1½ in. square, mounted on maple bars, 1½×2½ in. wide.

Nos.	N02	N03
Length, ft.	2	3
W't per doz., lbs.	65	72
Per dozen	\$31.00	31.00

Nos.	N04	N05
Length, ft.	4	5
W't per doz., lbs.	80	90
Per dozen	\$34.00	35.40

HALF DOZEN IN A CRATE

METAL PARTS ONLY

No. 111—W't per doz. 40 lbs., per dozen \$21.40

STEEL BAR CLAMPS



Made from ¾×1½ in. temper spring steel bars, 8×7 in. screw from cold rolled steel, face of 1½×2 in.

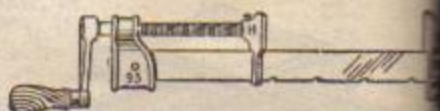
Saddle is held in bar notches by destructible spring bars. The end malleable cranks are quick permit the use of two hands for excessive pressure.

Nos.	N20½	N30	N40
Length, ft.	2½	3	4
W't, doz., lbs.	75	90	110
Per dozen	\$36.00	40.60	45.00

Nos.	N50	N60	N70
Length, ft.	5	6	7
W't, doz., lbs.	130	150	170
Per dozen	\$50.40	54.00	60.00

LOOSE

CARPENTERS' DOOR CLAMP



PERFECTION

This is a strong, durable, convenient general purpose clamp. The bar 1½×1½ in. high carbon, manganese steel frame, tip and slide best grade malleable iron. Dog for slide, temper steel. Steel screw ½ in. diam., deep "Acme" thread, long bearing insure long life to clamp.

The bar is special quality rolled steel. The notches are cut on the lower edge of the bar, affords greater holding power to a sliding jaw than if cut on the upper edge.

Nos.	N103	N104	N105
Length between jaws, ft.	3	4	5
W't per single doz., lbs.	98	110	120
Per dozen	\$51.60	57.60	64.00

ONE DOZEN IN A CRATE

WOOD SMOOTH



UNHANDLED

Nos.	22R	24R
Length, in.	8	9
Cutter, in.	1½	2
W't each, lbs.	2½	2½
Each	\$3.70	4.00

HANDLED

Nos.	35R	36R
Length, in.	9	10
Cutter, in.	2	2½
W't each, lbs.	3	3½
Each	\$4.80	5.40

WOOD JACK, FORE AND JOINTER



JACK

Nos.	26R	27R
Length, in.	15	15
Cutter, in.	2	2½
W't each, lbs.	3½	4½
Each	\$4.30	4.90

FORE

Nos.	28R
Length, in.	18
Cutter, in.	2½
W't each, lbs.	5
Each	\$5.40

JOINTER

Nos.	31R	32R
Length, in.	24	26
Cutter, in.	2½	2½
W't each, lbs.	6½	7
Each	\$5.70	6.10

IRON SMOOTH



FLAT BOTTOM

Nos.	2R	3R	4R	4½R
Length, in.	7	8	9	10
Cutter, in.	1½	1½	2	2½
W't each, lbs.	2½	3	3½	5
Each	\$4.30	4.60	5.00	5.80

CORRUGATED BOTTOM

Nos.	3RC	4RC	4½RC
Length, in.	8	9	10
Cutter, in.	1½	2	2½
W't each, lbs.	3	3½	5
Each	\$4.85	5.25	6.10

ALL ABOVE, ONE IN A BOX

REVONOC ADJUSTABLE PLANES IRON BLOCK

IRON JACK, FORE AND JOINTER



FLAT BOTTOM


Nos.	5R	5½R	6R
Style	Jack	Jack	Fore
Length, in.	14	15	18
Cutter, in.	2	2½	2½
W't each, lbs.	4½	6	7
Each	\$5.80	6.50	7.30
Nos.	7R	8R	
Style	Jointer	Jointer	
Length, in.	22	24	
Cutter, in.	2½	2½	
W't each, lbs.	8	9½	
Each	\$8.50	10.00	



CORRUGATED BOTTOM

Nos.	5RC	5½RC	6RC
Style	Jack	Jack	Fore
Length, in.	14	15	18
Cutter, in.	2	2½	2½
W't each, lbs.....	4½	6	7
Each	\$6.10	6.85	7.70
Nos.	7RC	8RC	
Style	Jointer	Jointer	
Length, in.	22	24	
Cutter, in.	2½	2½	
W't each, lbs.	8	9½	
Each	\$9.00	10.50	

IRON BLOCK


	No. 101R REVONOC—3½ in. 1 in. cutter, w't 4 oz., each .....\$0.50
HALF DOZEN IN A BOX	



No. 100R REVONOC—3½ in., handled, 1 in.
cutter, w't 6 oz. each \$0.60



No. 103R Revlon—5½ in., adjustable,
1½ in. cutter, w't 2 lbs.
each \$1.40



No. 1300R REVERSE—8 in., double-ender,
 1½ in. cutter, w't 1½ lbs.,
 each\$2.00
 ONE IN A BOX



Nos.	102R	110R
Length, in.	5½	7½
Cutter, in.	1½	1½
W't each, lbs.	¾	1½
Each	\$1.10	1.40



No. 2200R REVONOC—7½ in., adjustable, 1½ in. cutter, w't 1½ lbs., each	\$2.00
ONE IN A BOX	



JAPANNED CAP—LOW ANGLE

Nos.	600½R	650½R
Length, in.	6	7
Cutter, in.	1½	1½
W't each, lbs.	1	1
Each	\$2.90	3.10



Throat and lateral adjustment, japanned cap.

Nos.	9½R	15R
Length, in.	6	7
Cutter, in.	1½	1½
W't each, lbs.	1½	1½
Each	\$2.70	2.90



With throat and lateral adjustment, knuckle joint, nickel plated cap.

Nos.	1800R	1900R
Length, in.	6	7
Cutter, in.	1½	1½
W't each, lbs.	1½	1½
Each	\$3.10	3.30

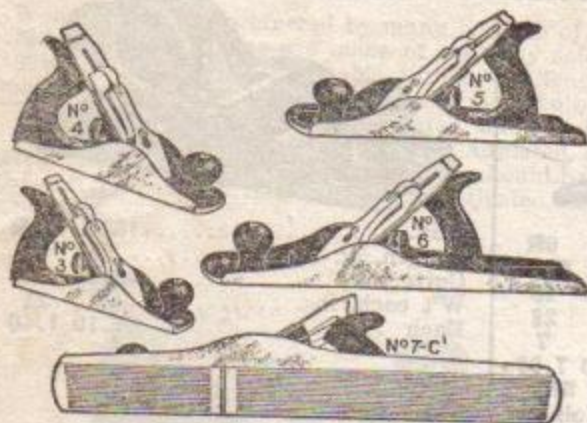
ALL ABOVE, ONE IN A BOX

PLANES "BAILEY" ADJUSTABLE IRON

The handle and knob are made of highly finished, thoroughly seasoned rosewood. The English steel cutter is tempered, ground and honed, ready for use, is adjustable both endwise and sidewise, and bedded to the heel of bevel. The width of mouth can be varied by changing the setting of the frog. Bottoms, either flat or corrugated—see cut 7C—as desired.

Flat Corrugated		Bottom	Type	Length	Cutter	W't	Each
No. 1		Bottom	Smooth	5½ in.	1½ in.	1½ lbs.	\$3.80
No. 2			Smooth	7 in.	1½ in.	2½ lbs.	4.90
No. 3	No. 3 C		Smooth	8 in.	1½ in.	3½ lbs.	5.40
No. 4	No. 4 C		Smooth	9 in.	2 in.	3½ lbs.	5.80
No. 4½	No. 4½ C		Smooth	10 in.	2½ in.	4½ lbs.	6.75
No. 5	No. 5 C		Jr. Jack	11½ in.	1½ in.	4 lbs.	6.05
No. 5½	No. 5½ C		Jack	14 in.	2 in.	4½ lbs.	6.55
No. 6	No. 6 C		Fore	18 in.	2½ in.	6½ lbs.	7.60
No. 7	No. 7 C		Jointer	22 in.	2½ in.	8½ lbs.	9.90
No. 8	No. 8 C		Jointer	24 in.	2½ in.	9½ lbs.	11.90

ONE IN A BOX

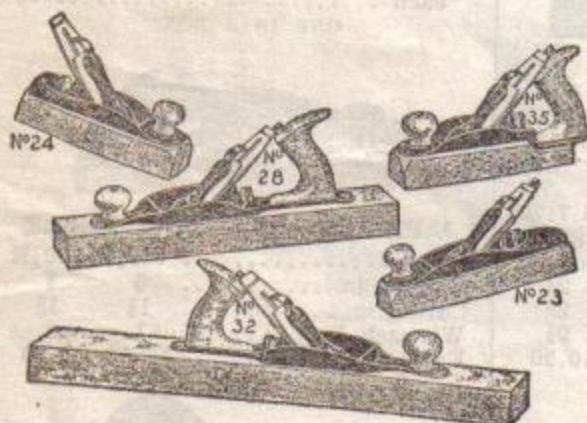


"BAILEY" WOOD

These planes are made for those wanting a wood bottom plane of superior quality. Made of specially selected, well seasoned Beech. The cutters are the celebrated Bailey cutters and are adjustable both endwise and sidewise.

	Type	Length	Cutter	W't	Each
No. 24	Smooth	9 in.	2 in.	2½ lbs.	\$4.60
No. 26	Jack	15 in.	2 in.	3½ lbs.	4.70
No. 27½	Jack	15 in.	2½ in.	4½ lbs.	5.50
No. 28	Fore	18 in.	2½ in.	5½ lbs.	6.00
No. 31	Jointer	24 in.	2½ in.	6½ lbs.	6.50
No. 32	Jointer	26 in.	2½ in.	7½ lbs.	6.90
No. 35	Handle Smooth	9 in.	2 in.	3½ lbs.	5.30

ONE IN A BOX



STANLEY "BED ROCK"

For fine work on hard and knotty wood, this plane surpasses all others.

The cutter, frog and bottom are so machined and fitted that they are practically one solid piece of metal, thus preventing any chance of vibration.



The frog travels in a groove, ensuring it being square with the mouth of the plane, and preventing shifting or "wobbling."

The width of the mouth can be regulated by use of a screw driver as shown in the cut, without removing the cutter and lever.

The cutters are made of the best English steel and are adjustable both endwise and sidewise.

The shape of the sides, a distinctive feature, adds greatly to the strength of the plane.

The handles and knobs are of rosewood and finely finished.

Bottoms either flat or corrugated (see No. 606C) as desired.

Flat Corrugated		Bottom	Type	Length	Cutter	W't	Each
No. 602		Bottom	Smooth	7 in.	1½ in.	2½ lbs.	\$5.40
No. 603	No. 603 C		Smooth	8 in.	1½ in.	3½ lbs.	5.90
No. 604	No. 604 C		Smooth	9 in.	2 in.	3½ lbs.	6.50
No. 604½	No. 604½ C		Smooth	10 in.	2½ in.	4½ lbs.	7.45
No. 605	No. 605 C		Jack	14 in.	2 in.	4½ lbs.	7.40
No. 605½	No. 605½ C		Jack	15 in.	2½ in.	6½ lbs.	8.40
No. 606	No. 606 C		Fore	18 in.	2½ in.	7½ lbs.	9.50
No. 607	No. 607 C		Jointer	22 in.	2½ in.	8½ lbs.	10.90
No. 608	No. 608 C		Jointer	24 in.	2½ in.	9½ lbs.	13.00

ONE IN A BOX

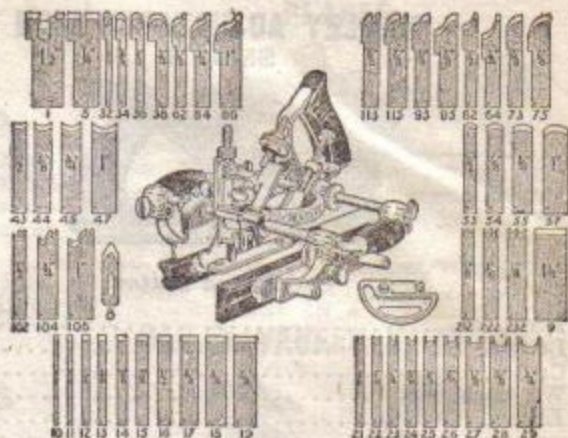
STANLEY PLANES

BEADING, CENTER, PLOW, DADO, RABBET, FILLISTER, MATCH, SASH, SLITTING AND MOULDING

THE MOST COMPLETE STANLEY SET

Will accommodate cutters of almost any shape and size. All metal parts nickel plated, handle and fences of selected rosewood, all parts well finished.

No. 55—Length 10 in., w't 15½ lbs., complete with 52 cutters, each\$39.00
ONE IN A BOX



BEADING, CENTER BEADING, PLOW, DADO, RABBET, FILLISTER, MATCH PLANE, SASH AND SLITTING

Seven beading tools, ¼ in., ⅜ in., ½ in., ⅝ in., ¾ in., ⅞ in. and 1 in., ten plow and dado bits—¼ in., ⅜ in., ½ in., ⅝ in., ¾ in., ⅞ in., 1 in., 1½ in., 2 in. and 3 in., a tonguing tool, a sash and a slitting cutter, are regularly furnished.

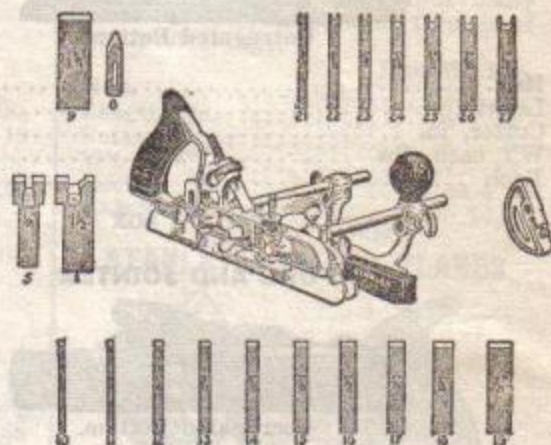
Each plane has an adjustable fence, a depth gauge, spurs for use across the grain, a cam leveling or steadying rest and can be used either right or left hand.

No. 45—Nickel plated, with twenty toolseach \$19.80
Extra Bottoms and Cutters.

By substituting special bottoms for the sliding section, cutters as follows may be used. Special bottom required for each cutter. Prices of hollows and rounds include two cutters and two bottoms, of nosing tool, one cutter and one bottom.

No. 4—Hollow and round ½ in. cutters work ½ in. circle, per pair\$3.00
No. 5—Hollow and round ¾ in. cutters work 1 in. circle, per pair 3.00
No. 10—Hollow and round 1 in. cutters work 1½ in. circle, per pair 3.30
No. 15—Hollow and round 1½ in. cutters work 2 in. circle, per pair 3.30
No. 20—Nosing tool, 1½ in. cutters work 1½ in. circle.....each 2.40
Extra Cutters, 20 tool bits, etc.per set 10.00
Extra Bottomsper dozen .96
Extra Sashesper dozen .96

ONE IN A BOX



PLOW, BEADING AND MATCHING

The light work consists of a main stock with metal handle, carrying a spur and a depth gauge and forming a support for one side of cutter, a sliding section carrying a spur and forming a support for other side of cutter, a fence with a ½ inch adjustment.

The cutters comprise 5 plow and dado bits—¼, ⅜, ½, ⅝, ¾, ⅞ and 1 inch, 7 beading tools, ¼, ⅜, ½, ⅝, ¾, ⅞ and 1 inch, and a ½ inch tonguing tool.

No. 40—Nickel plated, length 24 inches, 15 cutters, w't 3½ lbs., each\$10.90
ONE IN A BOX



PLOW, DADO, FILLISTER AND MATCHING

Five cutters are the feature of this plane, main stock carries a spur, depth gauge, sliding cutter, sliding section carrying a spur forming an extra sole for the plane. Rosewood handle and knob.

Cutters comprise 5 plow and dado bits—¼, ⅜, ½, ⅝, ¾, ⅞ and 1 in., 11 in. fillister cutter, ½ in. tonguing tool and slitting cutter.

No. 46—Nickel plated, length 10½ in., 11 cutters, w't 5½ lbs., each\$14.60
ONE IN A BOX



**SIEGLEY ADJUSTABLE IRON
SMOOTH**



Corrugated Bottom.

Nos.		
Length, in.	45	41½
Cutter, in.	9	10
W't each, lbs.	2	2½
Each	2½	3½
	\$5.50	6.40

ONE IN A BOX

JACK



Corrugated Bottom.

Nos.		
Length, in.	5S	51S
Cutter, in.	14	15
W't each, lbs.	2	2½
Each	3½	4½
	\$6.40	7.30

ONE IN A BOX

FORE AND JOINTER



Corrugated Bottom.

Nos.	6S	7S	8S
Style	Fore	Jointer	
Length, in.	18	22	24
Cutter, in.	2½	2½	2½
W't each, lbs.	4½	5½	6½
Each	\$8.30	9.50	11.20

ONE IN A BOX

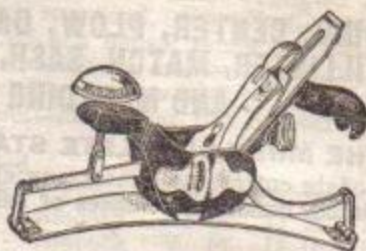


Combination.

No. 2S—9 in., nickel plated combination carpenters plow and dado with slide and center beading plane, 9 plow cutters, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and $\frac{7}{8}$ in., 7 leading tool, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$ and $\frac{1}{2}$ in., $\frac{3}{8}$ in. match cutter and sash tool, w't 7 $\frac{1}{2}$ lbs.each \$15.70

ONE IN A BOX

STANLEY CIRCULAR



No. 113—10 in., adjustable, 1½ in. cutter, w't 3½ lbs.,
each

ONE IN A BOX



VICTOR, 10 in. adjustable, 1½ in. cutter, w't each 4 lb

No. 20—Japannedeach \$11

ONE IN A BOX

STANLEY IMPROVED SCRUB



Nº40

This tool has a single iron with cutting edge round and is particularly adapted for roughing down work before using jack or other planes.

Nos.	40	40
Length, in.	9½	10
Cutter, in.	1½	1
Each	\$3.10	4

ONE IN A BOX

STANLEY LOW ANGLE BLOCK



The construction of this plane is such that it is especially adapted for use in cutting across the grain on heavy work where more power is required than can be obtained by use of the ordinary block plane. The plane is fitted with an adjustable throat, which enables the user to work equally well on hard or soft wood.

No. 62—14 in., 2 in. cutter, w't 4 lbs.each \$7.25

ONE IN A BOX

"BAILEY" BLOCK PLANES

With Throat
and Lateral
Adjust-
ments.



JAPANNED CAP

No.	9 1/2	15
Length, in.	6	7
Cutter, in.	1 1/2	1 1/2
Wt each, lbs.	1 1/2	1 1/2
Each	\$2.90	3.10

NICKEL PLATED CAP

No.	16	17
Length, in.	6	7
Cutter, in.	1 1/2	1 1/2
Wt each, lbs.	1 1/2	1 1/2
Each	\$3.30	3.60

ONE IN A BOX



Knuckle
joint with
throat and
lateral ad-
justment.

NICKEL PLATED CAP

The knuckle joint in the cap makes it a lever, too, and placing the cap in position, will also clamp the cutter securely in its seat.

No.	18	19
Length, in.	6	7
Cutter, in.	1 1/2	1 1/2
Wt each, lbs.	1 1/2	1 1/2
Each	\$3.80	4.10

ONE IN A BOX



Low
Angle.

JAPANNED CAP

No. 10—Nickel plated cap, length 6 in., cutter 1 1/2 in., wt each 1 1/2 lbs.	\$1.40
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No.	10 1/2	11
Length, in.	6	7
Cutter, in.	1 1/2	1 1/2
Wt each, lbs.	1 1/2	1 1/2
Each	\$2.90	3.10

No. 11—Nickel plated cap, length 7 in., cutter 1 1/2 in., rosewood knob, wt 1 1/2 lbs.	\$2.90
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ONE IN A BOX



NICKEL PLATED CAP

No.	65
Length, in.	7
Cutter, in.	1 1/2
Wt each, lbs.	1 1/2
Each	\$4.00

ONE IN A BOX

BAILEY BLOCK PLANES



This plane has two slots and a movable cutter seat. When it is desirable to use it as a bull nose plane, the adjustable cutter seat can be reversed as indicated in cut.

No. 131—Double end, 8 in., 1 1/2 in. cutter, w't 1 1/2 lbs.each \$3.60
ONE IN A BOX

STANLEY BLOCK PLANES



No. 101—3 1/2 in., 1 in. cutter, w't 4 1/2 oz., each\$0.56

ONE IN A BOX



No. 103.

No. 102—5 1/2 in., 1 1/2 in. cutter, w't 3 lb., each\$1.10

No. 103—5 1/2 in., adjustable, 1 1/2 in. cutter, w't 3 lb.each \$1.50

ONE IN A BOX



No. 110—7 in., 1 1/2 in. cutter, w't 1 1/2 lbs.each \$1.50

ONE IN A BOX



No. 130—8 in., double-ender, 1 1/2 in. cutter, w't 1 1/2 lbs.each \$2.20

ONE IN A BOX



No. 229—7 in. adjustable, 1 1/2 in. cutter, w't 1 1/2 lbs.each \$2.20

ONE IN A BOX



No. 203—Screw adjustment, rosewood knob, length 5 1/2 in., 1 1/2 in. cutter, w't 3 lb.each \$1.90

ONE IN A BOX

CABINET MAKERS' EDGE PLANES



A useful tool for piano makers and all cabinet workers, for trimming inside work where space prevents use of any other plane.

No. 97—10 in., 2 1/2 in. cutter, w't 3 1/2 lbs., each\$5.60

ONE IN A BOX

BAILEY VENEER SCRAPERS



No. 12 takes the same cutter as No. 112 Scraper Planes. For many kinds of work, its peculiar form is of great advantage.

Iron. Wd.Fce.

Nos. 12 12 1/2

Length, in. 6 1/2 6 1/2

Cutter, in. 3 3

W't each, lbs. 3 3 1/2

Each\$6.20 8.40

Extra Cutterseach \$0.66

ONE IN A BOX

STANLEY SCRAPER PLANES



No. 112—9 in. adjustable, 3 in. cutter, with 1 scraper blade, w't 4 lbs., each\$5.50

Extra Cutters, for scraping, each\$0.66

Extra Cutters, for toothing, Nos. 22, 28, 32—22, 28 or 32 teeth each\$0.90

ONE IN A BOX

ONE IN A BOX

BULL NOSE RABBIT PLANES



No. 75—4 in. iron stock, 1 in. cutter, w't 8 oz., each\$0.95

STANLEY EDGE TRIMMING PLANES



No. 95—6 in., 3/4 in. cutter, japanned, w't each 1 1/2 lbs.each \$2.40

ONE IN A BOX

STANLEY ADJUSTABLE PLANES

TONGUING AND GROOVING



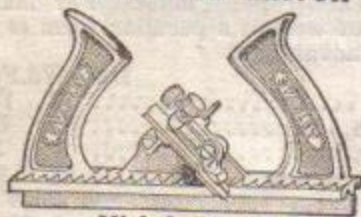
Nickel plated iron stock and face, including tonguing and grooving tools. The fence is set in a center pivot and can be swung around and locked either way. Set one way it exposes two cutters for cutting the tongue and when reversed leaves only one exposed for making the groove.

No. 48—8½ in., for ¾ to 1½ in. boards, w't 3 lbs. each \$6.80

No. 49—8 in., for ½ to ¾ in. boards, w't 2½ lbs. each \$6.80

ONE IN A BOX

DOUBLE END MATCH



Nickel Plated.

Provided with both tongue and groove irons. With one side a tongue can be cut, and by reversing ends, the plane will cut a groove to fit.

No. 146—Matches ¾ in. boards, cuts groove ½ in., w't 1½ lbs., each \$5.10

No. 147—Matches ¾ in. boards, cuts groove ¾ in., w't 2 lbs., each \$5.45

No. 148—Matches ¾ in. boards, cuts groove ¾ in., w't 2½ lbs., each \$5.75

ONE IN A BOX

RABBIT AND FILLISTER



The sides and bottom being square with each other, the planes will lie perfectly flat on either side. Adjustable fence slides under bottom to regulate width of cut. Has one spur on each side and adjustable depth gauge. Is suitable for either right or left hand work. The front part of plane can be easily detached thus providing a bull nose plane.

No. 278—Japanned iron stock and fence, 6½ in. long, 1 in. cutter, w't 2 lbs. each \$4.10

ONE IN A BOX

IMPROVED RABBIT



Iron stock, length 8 in., with depth gauge.

WITH SPUR

This plane will lie perfectly flat on either side, and can be used with right or left hand equally well, while planing into corners or up against perpendicular surfaces.

Nos.	190	191	192
Cutter, in.	1½	1½	1
W't, lbs.	2½	2½	2
Each	\$3.80	3.55	3.30

ONE IN A BOX

DUPLIX RABBIT AND FILLISTER



This plane has two seats for the cutter, one for regular work and the other where a bull nose is required. Has spur and removable depth gauge. Adjustable fence can be used on either side and slides under the bottom regulating width of cut. To use as rabbit plane, remove fence and arms.

No. 78—8½ in. iron stock and fence, 1½ in. cutter, w't 3 lbs., each \$4.20

ONE IN A BOX

SKEW CUTTER, FILLISTER AND RABBIT



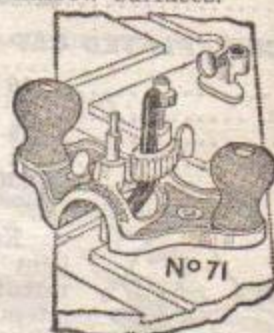
The fence and depth gauge can be attached to either side so that the plane can be used equally well for right or left hand work. The adjustable fence slides under the bottom, regulating the width of the cut. By removing arms and fence a skew cutter rabbit plane is obtained.

No. 289—8½ in., japanned, 1½ in. cutter with fence and depth gauge and two adjustable spurs, one on each side, w't 4 lbs. each \$4.90

ONE IN A BOX

WOODWORKERS' ROUTER

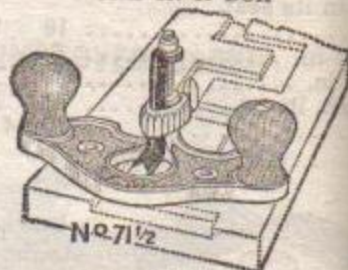
For surfacing the bottom of grooves and depressions parallel with general surface of the work. The open throat design gives more room for chips and a better view of the work and cutter. The latter has an attachment for regulating thickness of the chip and a second attachment for closing the throat use on narrow surfaces.



Open Throat.

No. 71—Nickel plated, width 7½ in. and ½ in. steel bits, with throat attachment, w't 2½ lbs., each \$5.25

ONE IN A BOX



Closed Throat.

No. 71½—Nickel plated, width 7½ in. and ½ in. steel bits, w't 2½ lbs., each \$4.25

ONE IN A BOX

DOOR TRIM



This new plane will make mortises for Butts, Face Plates, Strike Plates, Escutcheons, etc., without the use of a butt gauge or chisel. Cutter can be set to work from either end of the plane or across it. Spring prevents taking a heavier chip than can be easily carried.

No. 171—11 in., japanned, nickel plated trimmings, rosewood handles, 3 forged steel cutters, w't 3 lbs., each \$7.00

ONE IN A BOX

STANLEY PLANES, BEADERS, ETC.

CARRIAGE MAKERS' RABBET PLANES



Adapted for mining, wagon making and other heavy work.

Flat Bottom.

No.	101	10
Length, in.	9	13
Cutter, in.	2½	2½
W't. lbs.	3	4½
Each	\$6.80	8.20

ONE IN A BOX

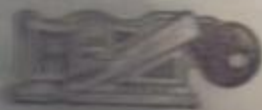
SIDE RABBET PLANES

Convenient tools for side-rabbeting and trimming dados, mouldings and grooves of all sorts. A reversible nose piece will give each tool a form by which it will work close up into corners.



No. 95—4 in. nickel plated, right hand, w't 8 oz. each \$2.80

ONE IN A BOX



No. 96—4 in. nickel plated, left hand, w't 8 oz. each \$2.80

ONE IN A BOX

RABBET AND BLOCK PLANES



The detachable side will easily change this tool from block plane to a rabbet plane and vice versa. The cutter is adjustable end-wise and is set on askew.

No. 140—7 in., with detachable side, 1½ in. cutter, w't 1½ lbs., each \$3.80

ONE IN A BOX

IMPROVED DADO



8 Inch, Iron Stock, with Depth Gauge and Two Adjustable Spurs.

Holds true in narrow widths where a wood plane will not. Has a skew cutter and adjustable depth gauge and spurs on each side of plane, thus allowing wear to be taken up and depth of the cut regulated.

No.	392	393	394
Cutter, in.	1	1	1
Each	\$3.70	3.95	4.20

No.	395	396	397
Cutter, in.	1	1	1
Each	\$4.40	4.50	4.80

ONE IN A BOX

CABINET MAKERS' RABBET PLANES

For fine cabinet or other work where extreme accuracy is required. The sides and bottom, being square with each other, the plane will lie perfectly flat on either side and can be worked either right or left hand. They have adjustable throats; this means that the width of the throat opening, or mouth, can be widened or narrowed as coarse or fine work may require. They are also fitted with the side groove or "Handy" grip feature. The cutters are adjustable end-wise.



Nickel Plated, with Adjustable Throat.

No. 90—4 in., bull nose, adjustable, 1 in. cutter, w't 1 lb. ...each \$5.10



Nickel Plated, with Adjustable Throat.

Nos.	92	93	94
Length, in.	5½	6½	7½
Cutter, in.	1	1	1½
W't, lbs.	1½	1½	2
Each	\$5.10	6.10	7.10

ONE IN A BOX

CORNERING TOOLS

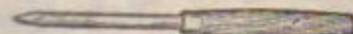


These tools are used by pattern makers and all wood workers for rounding sharp edges. They have a different size cutter at each end and their form is such that no depth gauge is required.

Nos.	28	29
Size, in.	5¼x8	5¼x8
Cutters, in.	¼ & ½	½ & ¾
W't, lbs.	1½	1½
Per dozen	\$5.90	6.20

HALF DOZEN IN A BOX

CABINET SCRAPER BURNISHERS



This tool is used to put a smooth finishing edge to a cabinet scraper.

No. 01—Polished oval cast steel blade, wood handle with ferrule, entire length 8½ in., w't per doz. 1½ lbs., per dozen \$7.20

HALF DOZEN IN A BOX

CABINET SCRAPERS



Designed to do fine scraping such as veneering, cabinet work, etc. Has a rosewood face which reduces friction and prevents marring the surface worked upon. Handles are raised to protect user's hands and are pierced for easy hanging up when not in use.

No. 81—Stanley's, nickel plated, raised handles, length 10 in., 2½ in. cutter, w't per doz. 30 lbs., per dozen\$36.00

ONE IN A BOX

No. 811—Extra cutters, per dozen\$4.60

ONE DOZEN IN A BOX



No. 80—Stanley's, japanned, raised handles, length 11 in., 2½ in. cutter, w't per doz. 21 lbs., per dozen\$22.00

ONE IN A BOX

No. 800—Extra cutters, per dozen\$4.60

ONE DOZEN IN A BOX



The adjustable handle allows the blade to be tilted to any angle desired. Special blades of different forms and widths can be securely held in any position required, thus permitting the tool to be worked in many places inaccessible to other scrapers.

No. 82—Stanley's, japanned with polished edges, maple handle and knob, length 14½ in., 3 in. cutter, swinging adjustment, w't per doz. 21 lbs.per dozen \$28.80

ONE IN A BOX

No. 820—Extra cutters, per dozen\$4.60

ONE DOZEN IN A BOX

CABINET SCRAPERS



The handle is adjustable to any position up or down and sidewise. Blade can be instantly removed or adjusted by releasing the lever under hand rest.

The hand rest relieves strain on the wrist and prevents chattering. Will hold any blade up to 3 in. wide.

No. 114—Polished steel frame, crucible steel blades, rubberoid handle, blades 3x5 in., 16 gauge, w't per doz. 24 lbs.per dozen \$43.20

ONE IN A BOX

No. 1140—Extra blades, doz. \$8.00

ONE DOZEN IN A BOX



Blade is adjustable and handle by an ingenious ball and socket arrangement, can be instantaneously set at a wide angle to the blade in any direction.

No. 116—Japanned steel frame, 3x1½ in. crucible steel blade, stained handle, adjustable to any position, w't per doz. 21 lbs.doz. \$24.00

ONE IN A BOX

No. 1160—Extra cutters ..doz. \$7.20

ONE DOZEN IN A BOX



per dozen\$26.00

ONE IN A BOX



A labor saving and convenient tool, relieves fingers from painful stiffening effect produced by ordinary scraper. Rapid work can be done with less than usual effort and correct scraping-angle is more easily preserved.

No. 10—Cruso, 3x3 in. cast steel polished blade, polished beechwood handle, japanned malleable iron clamp, w't doz. 10 lbs., dozen \$11.00

HALF DOZEN IN A BOX

No. 11—Extra blades for No. 10, per dozen\$3.50

ONE DOZEN IN A BOX

CABINET SCRAPERS



Best Crucible Steel, Nicely Finished, Dressed on Edges.

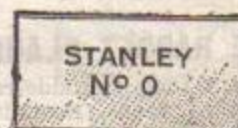
Made of selected high grade English steel, great care being taken to give special temper for this kind of work.

Nos.	22½	23	24	25½
Size, in.	2½x5	3x5	3x6	3½x6
W't, doz., lbs. ...	1½	2½	2½	2½
Per dozen	\$3.50	4.00	4.60	6.80

DISSTON'S, Cast Steel, Polished.

Nos.	1	2	3
Inches	2½x5	4x6	3x6
W't per doz., lbs.	2	3½	3
Per dozen	\$2.00	3.50	2.70

ONE DOZEN IN A BOX



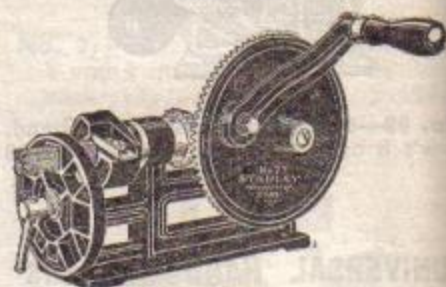
STANLEY

Extra heavy gauge, high grade English Steel. Edges are carefully tempered while center of blades are left a little flexible. Nicely finished and dressed on edges.

Nos.	32½	34	35	36	36½
Size in. ...	2½x5	3x4	3x5	3x6	3½x6
W't doz. lbs. ..	2	2	2½	3	4
Per dozen \$6.60	6.80	7.80	8.30	8.90	

HALF DOZEN IN A BOX

STANLEY DOWEL AND ROD TURNING MACHINE



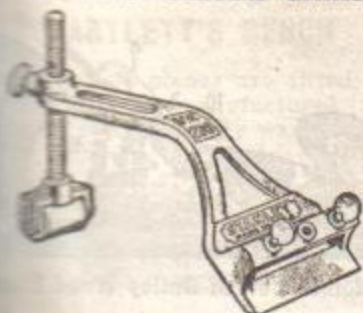
No. 77—Frame 9 in. long, height 6 in. japanned, malleable frame, 6½ in. steel gear wheel, adjustable handle, cuts dowels of varying sizes and lengths to perfect dimension and with it one can also form rods of practically any length. Operated by hand. Workman can cut his dowels when ready to use them. For use of cabinet and pattern makers and manual training schools. Complete with one ½ in. Cutter head, w't each 13 lbs.each \$15.30

ONE IN A BOX

Extra cutter heads for No. 77 Dowel Machine, sizes ¼, ⅜, ½, ¾, 1, 1½, 2 in.each \$1.56

ONE DOZEN IN A BOX

CUTTER AND CHISEL GRINDER



STANLEY'S, Nickel Plated, All Metal.

This device is designed for holding plane irons, chisels and other similar tools so that they may be ground or beveled to any desired angle or bevel.

No. 296—W't each 1½ lbs.,

ONE IN A BOX\$1.90

DOWELING JIG



STANLEY'S, Nickel Plated, All Metal.

This tool enables the user to bore dove-tail holes in the edge, end or surface of any work with ease and accuracy. It is also an excellent bit guide for mortising. Will take any thickness of material up to 3 in.

No. 35—Furnished with five steel guides ½, ¾, 1, 1½ and 2 in. long, w't each 1½ lbs.each \$3.60

ONE SET IN A BOX

No. 36—Furnished with nine steel guides ½, ¾, 1, 1½, 2, 2½, 3, 3½ and 4 in. long, w't each 2½ lbs.each \$5.20

ONE SET IN A BOX

ROOFING BRACKETS

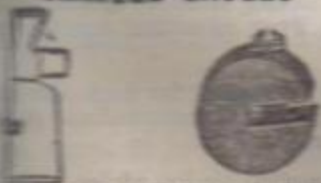


No. 3—Stanley's, steel, japanned, 18 in., w't per doz. 14 lbs.,

per doz.\$10.80

HALF DOZEN IN A BOX

SHINGLE GAUGES



No. 38—Cold rolled steel, 2½ in., with set screws, w't per doz. 1 lb.,

per doz.\$2.80

HALF DOZEN IN A BOX

ANGLE DIVIDERS

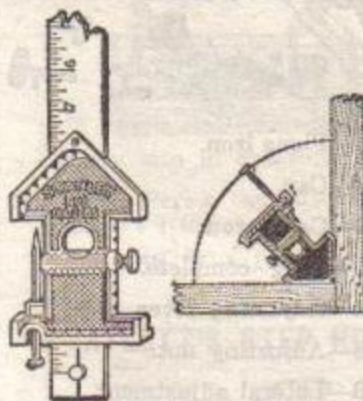


With this tool any angle can be found and bisected. Fitting moulding or other woodwork to odd angles can be done with ease and certainty. It is also graduated for parts of circle commonly used. A handy tool for laying out work, can also be used as a try or T square.

No. 30—Stanley's, nickel plated, w't per doz. 8 lbs.per dozen \$35.20

ONE IN A BOX

ODD JOBS



No. 1—Stanley, 4 in. long, nickel plated, combines a level, plumb, try square, mitre square, bevel, scratch awl, depth gauge, marking gauge, mortise gauge, beam compass and a one-foot rule. A practical tool for a great many purposes, w't per doz. 8 lbs.per dozen \$21.20

BIT GAUGES STANLEY



This gauge being adjustable will fit any bit and will always remain secure and accurate. To operate, loosen the thumb screws, insert the shank of the bit, turn the twist of the bit in the gauge to the required depth and tighten the thumb screws, stops on either side prevent the worm being bent or broken. Will hold bits of any size up to 1 in. in diameter.

No. 48—Nickel plated steel, adjustable, w't per doz. 3½ lbs.,

per dozen\$13.70

ONE SET IN A BOX

CLAPBOARD MARKERS AND GAUGES



No. 88—Stanley's, clapboard markers, metal stock, wood handle, steel blade, adjustable, w't per doz. 12 lbs.per dozen \$15.30

ONE IN A BOX



No. 89—Stanley's, clapboard gauges, metal stock, wood handle, steel blade, adjustable, w't per doz. 6 lbs.per dozen \$16.80

QUARTER DOZEN IN A BOX

TRAMMEL POINTS



For Bar.

No. 2—Stanley's, cast brass, steel points, with pencil holder, w't per doz. prs. 3½ lbs., per doz. prs.\$24.50

ONE PAIR IN A BOX

No. 4—Stanley's, iron, nickel plated, steel points, with pencil pocket, w't per doz. prs. 3½ lbs. per doz. prs. \$18.00



ONE PAIR IN A BOX



For Rule.

No. 99—Stanley's, cast brass, steel points, with pencil socket, w't per doz. pairs 2 lbs., per dozen sets\$15.60

ONE IN A BOX

PLANE IRONS



Single.

Width, in.	1½	1¾	2
No. 60—Bailey,			
each	\$0.70	.80	.85
No. 60R REVENOC, each	.70	.80	.85
Width, in.	2½	2¾	2½
No. 60—Bailey,			
each	\$0.90	1.00	1.05
No. 60R REVENOC, each	1.00	1.05	1.10
each	\$0.90	1.00	1.05
each	1.00	1.05	1.10

HALF DOZEN IN A BOX



Double, for Wood Bottom Planes.

Width, in.	1½	2	2½
No. 65—Bailey,			
each	\$1.25	1.45	1.50
No. 65R REVENOC, each	1.25	1.45	1.50
Width, in.	2½	2¾	2½
No. 65—Bailey,			
each	\$1.60	1.65	1.70
No. 65R REVENOC, each	1.60	1.65	1.70
Double, for Iron Bottom Planes.			
Width, in.	1½	2	2½
No. 75—Bailey,			
each	\$1.25	1.45	1.60
No. 75R REVENOC, each	1.25	1.45	1.60
Width, in.	2½	2¾	2½
No. 75—Bailey, each	\$1.65	1.70	
No. 75R REVENOC, each	1.65	1.70	

HALF DOZEN IN A BOX

Block.



Irons, for Bailey planes, Nos. 9½, 9¾, 15, 15½, 16, 17, 18, 19 and 220, each\$0.55

Irons, for REVENOC planes, Nos. 9½R, 9¾R, 15R, 15½R, 1600R, 1700R, 1800R, 1900R, 6500R, 2200R, each\$0.55

Extra Caps and Levers, for Bailey planes, Nos. 9½, 9¾, 15, 15½ and 103, each\$0.30

Extra Caps and Levers, for Bailey planes, Nos. 18 and 19...each \$0.60

HALF DOZEN IN A BOX

Block.



Irons, for Bailey planes, Nos. 110 and 130, each\$0.45

Irons, for REVENOC planes, Nos. 102R, 103Reach \$0.30

Irons, for REVENOC planes, Nos. 110R and 130Reach \$0.45

Extra Caps and Screws, for Bailey planes, Nos. 110, 220 and 130, each\$0.30

Extra Caps and Screws for REVENOC planes, Nos. 110R to 130R, each\$0.30

No. 4—Extra Caps for Nos. 3, 4, 5, 5½, 6 and 7 Bailey and REVENOC Planeseach \$0.80

HALF DOZEN IN A BOX

SIEGLEY SINGLE PLANE IRONS

Width, in.	2	2¼	2½	2¾
Each	\$0.85	1.00	1.05	1.10

HALF DOZEN IN A BOX

PLANE PARTS

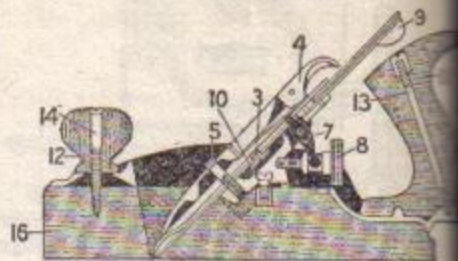


- No. 1B—Plane iron.
- No. 4B—Cap.
- No. 5B—Cap screw.
- No. 6B—Frog complete.
- No. 7B—Adjusting lever.
- No. 8B—Adjusting nut.
- No. 9B—Lateral adjustment.
- No. 12B—Knob.
- No. 16B—Bottom—adjustable throat.
- No. 18B—Detached side.
- No. 21B—Eccentric plate.
- No. 22B—Finger rest knob.

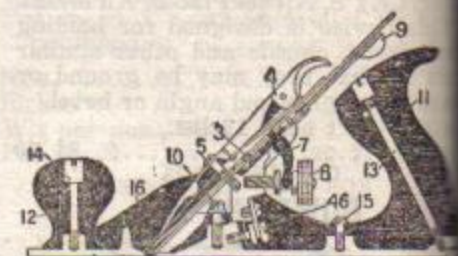


BAILEY NEW STYLE

PLANE PARTS



Sectional View of Bailey Wood Plane



Sectional View of Bailey Iron Plane

- No. 1—Plane iron.
- No. 2—Plane iron cap.
- No. 3—Plane iron screw.
- No. 4—Lever cap.
- No. 5—Cap screw.
- No. 6—Frog.
- No. 7—"Y" adjustment.
- No. 8—Brass adjusting nut.
- No. 9—Lateral adjustment.
- No. 10—Frog screw.
- No. 11—Handle.
- No. 12—Knob.
- No. 13—Handle "bolt and nut."
- No. 14—Knob "bolt and nut."
- No. 15—Handle screw.
- No. 16—Bottom.
- No. 35—Top casting—wood plane.



BAILEY OLD STYLE

An improvement has been made in the "Bailey" Iron Plane which necessitated a change in the construction of the Bottom and Frog, thereby making it impossible to use the new style Frog in an old style Bottom, or the old style Frog in a new style Bottom.

For a time an intermediate style was made having same Frog and Bottom as the latest design, except that there was no Frog adjusting screw, consequently no clip on the Frog.

The latest design Frog or Bottom will be furnished for both the intermediate and new style Planes. If your Plane is of the intermediate pattern, remove the steel clip from the Frog and the parts will fit.

In order that we may fill your order correctly, kindly advise us which style Plane you have.

The difference in construction of the Frogs and Bottoms is very clearly shown in the illustration above.

BARTLETT'S BENCH

All Bartlett planes are fitted with superior irons, manufactured from best cast steel and fully warranted.



Smooth.

No. 25—8 in., 2 to 2½ in. double iron, polished lignumvitae start, w't 2 lbs., each\$2.50

ONE IN A PACKAGE



Jack.

Polished Lignumvitae Start.

No. 25—8 in., 2 to 2½ in., single iron, w't 1½ lbs.each \$2.40

No. 25—8 in., 2 to 2½ in., double iron, w't 2½ lbs.each \$2.80

ONE IN A PACKAGE



No. 25—8 in., 2 to 2½ in., double iron, polished lignumvitae start, w't 2½ lbs.each \$4.70

ONE IN A PACKAGE

BARTLETT'S BENCH



Double Iron, Polished Heavy Start.

8 in. Smooth, 2 to 2½ in., w't 2 lbs.each \$2.50

10 in. Jack, 2 to 2½ in., w't 2½ lbs.each \$2.80

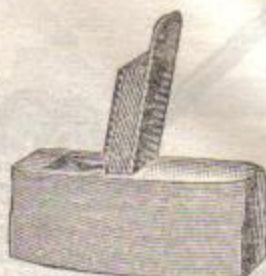
12 in. Fore, 2½ to 2¾ in., w't 6 lbs.each \$4.30

12 in. Jointer, 2½ to 2¾ in., w't 7½ lbs.each \$4.60

ONE IN A PACKAGE

WOOD PLANES

BARTLETT'S TOOTH



No. 36W—2½ in., cast steel iron, w't 1½ lbs.each \$2.70

ONE IN A PACKAGE

BARTLETT'S DADO



Specify size in ordering.

No. 62B—Screw top, sizes 1, 1½ and 2 in., w't 1 lb.each \$4.00

ONE IN A PACKAGE

BARTLETT'S STEP NOSING



Specify size in ordering.

No. 113½—2 irons, sizes 1½ and 1¾ in., 1½ in., w't 1½ lbs.each \$3.00

No. 113½—2 irons, sizes 1½ and 1¾ in., w't 1½ lbs.each \$3.40

ONE IN A PACKAGE

BARTLETT'S BOARD MATCH



One Pair No. 99.

Specify size in ordering.

No. 199—Sizes 1, 1½, 2, 2½ and 3 in., w't 2½ lbs.per pair \$4.20

ONE PAIR IN A PACKAGE

BARTLETT'S SKEW RABBIT



Specify size in ordering.

No. 146½—W't 14 oz.—

Size, in. 1 1½ 2 2½ 3 1

Each\$1.60 1.65 1.70 1.75 1.80

No. 146½—1½ in. w't 1½ lbs., each\$1.85

No. 146½—1½ in., w't 1½ lbs., each\$1.90

No. 146½—1½ in., w't 1½ lbs., each\$2.10

ONE PAIR IN A PACKAGE

BARTLETT'S JACK RABBIT



No. 149. Side Handle.

With 2 Cutters, Sizes 1½, 1¾ and 2 in. W't 2½ Lbs.

Specify size in ordering.

No. 149—Center handle, each \$4.70

No. 149—Side handle...each 5.20

ONE PAIR IN A PACKAGE

HORN SCRUB

This plane is imported from Germany where it is extensively used. It has a round nose iron and is especially useful for rough planing.



No. 500—9 in., 1½ in. single iron, with horn, white hardwood nicely finished, w't 1½ lbs., each\$3.00

ONE IN A PACKAGE

Extra iron for No. 500, each\$0.80

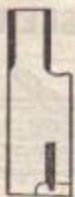
HORN SMOOTH



No. 400—8½ in., 2 in. double iron, with horn, white hardwood nicely finished, w't 2½ lbs.each \$4.50

ONE IN A PACKAGE

BARTLETT'S BEAD PLANES



Side, single boxed, w't each 12 oz.

Nos.	472	472½	473	474
Size, in.	¾	⅞	1	1¼
Each	\$1.40	1.40	1.40	1.40

ONE IN A PACKAGE



Center, double boxed, w't each 12 oz.

Nos.	512	513	514
Size, in.	¾	⅞	1
Each	\$1.70	1.70	1.70

ONE IN A PACKAGE

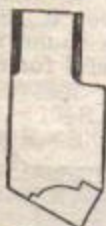
BARTLETT'S SASH PLANES



No. 169—Ogee, boxed, dovetailed, screw arms, self regulating, w't 2 lbs.each \$6.00

ONE IN A PACKAGE

BARTLETT'S MOULDING PLANES



Scotia or Quarter Round. Specify size in ordering.

Nos.	545	546	547
Size, in.	¾	⅞	1
W't, each, lbs.	1¼	1½	1¾
Each	\$1.40	1.70	1.80

ONE IN A PACKAGE

PLANE IRONS



BARTLETT'S, single, for wood bench planes.

Nos.	816	817	818	820
Width, in.	2	2½	2½	2½
W't, doz., lbs.	6½	6½	7½	8½
Each	\$0.90	.95	1.00	1.05

ONE DOZEN IN A BOX

FLOOR SCRAPERS



The Little Giant floor scraper is a device used for scraping any kind of a floor. The blade is mounted on a frame at an angle of 60 degrees, and the frame is mounted on four rollers. The large roller is a weight of 65 lbs., and is used to give the pressure upon the blade when the scraper is in operation.

It has a capacity of from five to seven squares (100 square feet in a square) per day. The handle can be shortened, when necessary, for small rooms. Every inch of the floor can be scraped, as the blade extends to the full width of the frame and allows it to go along the base-board and quarter-round strip. Six blades are included with each machine, which will scrape 15,000 square feet of floor.

No. T90—"Little Giant," complete with 6 blades, 7½ in. long, 2½ in. wide, w't crated 105 lbs.each \$56.00
ONE IN A BOX

EXTRA BLADES

No. 900—For T90 floor scrapers, w't per doz. 2½ lbs. ..per dozen \$12.00
ONE DOZEN IN A BOX



The handle can be moved to either side, thus permitting close work in corners.

No. T100—Stearn's, 2-6 in. blades 2½ in. wide, adjustable cross handle, length of handle and braces 38½ in., 5 in. wheels with rubber tires, heavy iron frame, aluminum finished, shipping w't each 135 lbs., each\$24.00
ONE IN A BOX; SHIPPING W'T PER BOX 135 LBS.

EXTRA BLADES

No. 1000—For No. T100 floor scrapers, w't per doz. 2 lbs., per dozen\$12.00
ONE DOZEN IN A BOX

MORTISE GAUGES



No. 68—Stanley's, 8½ in. beechwood bar marked in 16ths, fixed marking point, plated beechwood head, brass thumb screw, wood slide, w't per doz. 1½ lbs.per dozen \$10.60
HALF DOZEN IN A BOX



No. 73—Stanley's, 6½ in. boxwood bar marked in 16ths, fixed marking point, plated boxwood head, brass thumb screw, brass slide, w't per doz. 2 lbs.per dozen \$16.00
HALF DOZEN IN A BOX



No. 72—Stanley's, 8½ in. beechwood bar marked in 16ths, fixed marking point, boxwood head, boxwood thumb screw, double bar, w't per doz. 1½ lbs. per dozen\$8.00
HALF DOZEN IN A BOX



No. 77—Stanley's, 6½ in. rosewood bar marked in 16ths, fixed marking point, plated rosewood head, brass thumb screw, screw slide, w't per doz. 2½ lbs.per dozen \$22.80
HALF DOZEN IN A BOX

PANEL GAUGES



No. 85—Stanley's, 17½ in. beechwood bar marked in 8ths, adjustable marking point, plated beechwood head, boxwood thumb screw, w't per doz. 5½ lbs., per dozen\$6.40

No. 85½—Stanley's, 20½ in. rosewood bar marked in 8ths, adjustable marking point, plated rosewood head, brass thumb screw, w't per doz. 5½ lbs.per dozen \$46.70

NO. 85, ONE DOZEN; NO. 85½, HALF DOZEN IN A BOX

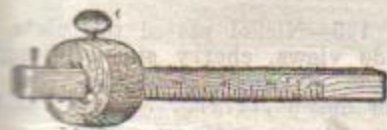
MARKING



No. 61—Stanley's, 8½ in., beechwood bar marked in 16ths, fixed marking point, beechwood head, boxwood thumb screw, w't per doz. 2½ lbs., per dozen \$2.40
ONE DOZEN IN A BOX



No. 62—Stanley's, 8½ in., beechwood bar marked in 16ths, adjustable steel marking point, beechwood head, boxwood thumb screw, w't per doz. 2½ lbs., per dozen \$4.45
ONE DOZEN IN A BOX



No. 64—Stanley's, 8½ in., beechwood bar marked in 16ths, adjustable steel marking point, oval plated beechwood head, brass thumb screw, w't per doz. 1½ lbs., per dozen \$8.50
HALF DOZEN IN A BOX



No. 70—Stanley's, 8½ in., beechwood bar marked in 16ths, adjustable, steel marking point, plated beechwood head, boxwood thumb screw, w't per doz. 1½ lbs., per dozen \$8.00
ONE DOZEN IN A BOX



The metal plate with two convex faces attached to one side of head, permits of a gauge line being run with perfect steadiness and accuracy around curves of any degree, either concave or convex. Head is reversible and flat side used for ordinary work.

No. 162—Stanley's Improved, 8½ in., beechwood bar marked in 16ths, adjustable steel point, beechwood head, boxwood thumb screw, w't per doz. 3½ lbs., per dozen \$5.30
ONE DOZEN; NO. 163, HALF DOZEN IN A BOX

GAUGES

MARKING



No. 65—Stanley's, 8½ in., boxwood bar marked in 16ths, adjustable steel marking point, plated boxwood head, brass thumb screw, w't per doz. 1½ lbs., per dozen \$12.20
HALF DOZEN IN A BOX

BUTT AND RABBIT



For hanging doors, mortising, marking, etc.

No. 92—Stanley's, 8 in., polished brass bar marked in 16ths, steel plate and markers, rosewood head, w't per doz. 9 lbs., per dozen \$38.40
ONE IN A BOX

MARKING AND MORTISE



No. 19 6½ in., hexagon steel bars, long bar 8 in., short bar 4 in., finely nickel plated, long bar marked in 32nds, beveled steel rollers, for marking, two set screws, w't per doz. 10½ lbs., per dozen \$30.00
ONE IN A BOX



No. 91—Stanley's, 6½ in. nickel plated steel bar marked in 16ths, adjustable marking point, iron head, w't per doz. 6 lbs., per dozen \$19.20
ONE IN A BOX



No. 98—Stanley, 6½ in. nickel plated, double steel bar graduated in 16ths, metal head, pin point and roller cutter, which can be used close into rabbets or corners. Recommended for working across the grain over knots, etc., w't per doz. 8 lbs., per dozen \$25.50
ONE IN A BOX

MARKING



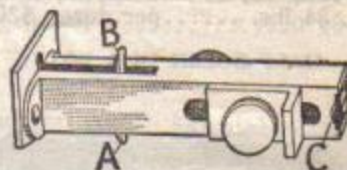
No. 90—Stanley's, 8 in., nickel plated steel bar marked in 16ths, adjustable marking point, iron head, w't per doz. 3 lbs., per dozen \$10.40
ONE IN A BOX



This gauge has both rollers and steel points, the rollers being preferable for running over knots and across the grain.

No. 97—Stanley's, 8 in., nickel plated steel bar marked in 16ths, adjustable marking point, iron head, w't per doz. 6 lbs., per dozen \$16.80
ONE IN A BOX

STANLEY BUTT GAUGES



This gauge has two cutters on the same end of a sliding bar designed so that at one setting cutter will mark the location of butt on the door and the other the location of butt on the casing, allowing necessary clearance. A gauge at the opposite end of the tool can be set for the thickness of butt both on casing and door.

No. 93—Steel head, brass slide, nickel plated, w't per doz. 4½ lbs., per dozen \$23.50
ONE IN A BOX



Has two bars, one bar has two steel cutters fixed upon it. When cutter at outer end of this bar is set for gauging one the end of the door, cutter at inner end is set for gauging from the back of jamb. The other bar has a steel cutter to accurately gauge the thickness of the butt.

No. 95—Improved, metallic, nickel plated, w't per doz. 8 lbs., per dozen \$24.50
ONE IN A BOX

LEVELS

No. 102 **LEVEL**—Hardwood, brass top plate, two side views, polished, **assorted**, 10, 12, 14 and 16 in., w't per doz. 15 lbs.per dozen \$10.50

ONE DOZEN IN A BOX

PLUMBS AND LEVELS

No. 104 **LEVEL**—Hardwood, brass top plate, two side views polished, **assorted**, 12, 14, 16 and 18 in., w't per doz. 20 lbs.per dozen \$15.50

ONE DOZEN IN A BOX



No. 00 **LEVEL**—Hardwood, brass top plates, two side views, polished, **assorted**, 18, 20 and 22 in., w't per doz. 34 lbs.per dozen \$20.60

HALF DOZEN IN A BOX



No. 0 **LEVEL**—Hardwood, brass top plates, two side views, polished, **assorted** 24, 26, 28, 30 in., w't per doz. 44 lbs.per dozen \$23.00

HALF DOZEN IN A BOX



No. 2 **LEVEL**—Adjustable glass, hardwood, brass top plates, two side views, polished, **assorted**, 26, 28, 30 in., w't per doz. 50 lbs., per dozen\$31.60

HALF DOZEN IN A BOX



No. 3 **LEVEL**—Adjustable glass, hardwood, brass top plates and brass tips, two side views, polished, **assorted** 24, 26, 28, 30 in., w't per doz. 50 lbs.per dozen \$38.60

HALF DOZEN IN A BOX

PLUMBS AND LEVELS

No. 5 **LEVEL**—Adjustable glass, hardwood, three piece brass top plates, brass tips and two brass lipped side views, polished, **assorted** 26, 28, 30 in., w't per doz. 50 lbs., per dozen\$50.60

HALF DOZEN IN A BOX



No. 300.



No. 500.

Duplex Adjustable Glass.

These levels have three glasses, a level glass set in the top in the usual way, a second glass set in the side and a plumb glass. The plumb glass is set close to one side of the stock, a great advantage in over-head work. The second level glass can be reversed to form a second plumb if required.

No. 300 **LEVEL**—Hardwood, brass top plates, two circular brass side plates, brass tips, two side views, polished, **assorted**, 26, 28, 30 in., w't per doz. 48 lbs., per doz. \$51.60

No. 500 **LEVEL**—Adjustable glass, hardwood, three piece brass top plates, two circular brass side plates, brass tips, two brass lipped side views, polished, **assorted**, 26, 28, 30 in., w't per doz. 48 lbs., per dozen\$62.00

HALF DOZEN IN A BOX



No. 150 **LEVEL**—Adjustable, hardwood, three piece heavy brass top plates corner tips and two brass lipped side views, special set, special finish, **assorted**, 26, 28, 30 in., w't per doz. 42 lbs., per dozen\$57.60

ONE IN A BOX



No. 130 **LEVEL**—Adjustable glass hardwood heavy brass top plates and corner tips two plumb glasses, special set, special finish, **assorted** 26, 28, 30 in., w't per doz. 42 lbs., per dozen\$48.00

ONE IN A BOX

PLUMBS AND LEVELS

Adjustable glass, mahogany, brass top plates, two side views, full brass bound, two plumbs, special finish, 2 in. wide, 1 in. thick.

These brass bound adjustable plumbs and levels have the four edges protected by one piece of brass in special form dove tailed the entire length into the wood and through the solid tips.

No. 193 **LEVEL**—

Inches	12	18	24
W't, doz., lbs.	13½	33	42
Per dozen	\$56.40	64.80	74.40

ONE IN A BOX

LEVELS

No. 115—Nickel plated top plate, two side views, cherry stained, length 12 in., w't per doz. 6½ lbs., per dozen\$3.60

ONE DOZEN IN A BOX



DISSTON'S, brass arch top plate, two side views, polished.

No. 102D—**Assorted** 14 and 16 in., w't per doz. 20 lbs., per dozen\$10.00

No. 103D—**Assorted** 18, 20, 22 and 24 in., w't per doz. 32 lbs., per dozen\$13.50

HALF DOZEN IN A CASE

PLUMBS AND LEVELS

No. 155—Nickel plated top plate, cherry, length 12 in., w't per doz. 6 lbs.per dozen \$3.80

ONE DOZEN IN A BOX



DISSTON'S, brass arch top plate, polished, two side views.

No. 00D—**Assorted**, 18, 20 and 22 in., w't per doz. 34 lbs., per dozen\$19.60

No. 0D—**Assorted** 24, 26, 28 and 30 in., w't per doz. 44 lbs., per dozen\$21.90

HALF DOZEN IN A BOX

PLUMBS AND LEVELS



DISSTON'S, adjustable glass, brass arch top plate, two side views, polished.

No. 2D—Assorted 26, 28 and 30 in., w't per doz. 50 lbs., per dozen \$30.40

No. 3D—Brass tipped assorted 26, 28 and 30 in., w't per doz. 50 lbs., per dozen\$36.70

HALF DOZEN IN A BOX



STANLEY'S, square top plate, two side views, polished side groove, proved glasses.

No. 00S—Assorted, 18, 20 and 22 in., w't doz. 33 lbs., per doz. \$20.60

No. 0S—Assorted, 24, 26, 28 and 30 in., w't doz. 40 lbs., per doz. \$23.00

HALF DOZEN IN A BOX



STANLEY'S, adjustable glasses, brass top plate, two brass lipped side views, polished, side groove, proved level glasses, w't per doz. 44 lbs.

Assorted 26, 28 and 30 in.

No. 2S—Square top plate, per dozen\$31.60

No. 3S—Brass tipped, arch top plateper dozen \$38.60

HALF DOZEN IN A BOX



No. 13—Stanley's, 26, 28 or 30 in., adjustable, heavy brass top plate and corner tips, two plumb glasses, selected hardwood, side groove, w't per doz. 44 lbs. .per dozen \$48.00

ONE IN A BOX



STANLEY'S, adjustable, square brass top plate, 2 brass lipped side views, rosewood, brass bound, ground glasses, grooved side, w't per doz. 64 lbs.

Nos. 9626 9628 9630
Inches 26 28 30
Per dozen\$134.40 139.20 147.60



STANLEY'S, adjustable, square brass top plate, 2 side views, mahogany, full brass bound, proved glasses, grooved side, w't per doz. 40 lbs.

Nos. 9326 9328 9330
Inches 26 28 30
Per dozen\$66.00 69.60 72.00

PLUMBS AND LEVELS



STANLEYS, carpenter's duplex, adjustable square top plate, two brass circular side plates, brass tips, polished, w't per doz. 48 lbs.

Assorted 26, 28, 30 Inch.

Per Dozen

No. 30—Hardwood\$55.20

No. 50—Triple Hardwood .. 62.00



No. 118—Sands, black walnut, 21 in. wide, 1 1/2 in. thick, nicely finished, two plumb and two level glasses, glasses are securely set in level and covered by plate glass which protects them from dust, dirt and water, assorted, 26, 28, 30 in., w't per doz. 24 lbs. .per dozen \$38.40

ONE IN A BOX



No. 678—Sands, selected white pine, air dried, light and durable, one plumb and one level glass, level has two side and one top view. Protected glasses, w't per doz. 18 lbs., per dozen\$15.60

ONE DOZEN IN A BOX

ALUMINUM PLUMBS AND LEVELS



Nos. 28 and 30 1/2

SAND'S, cast aluminum, machined and nicely finished, glasses securely set in frame and covered by plate glass, which protects them from dust, dirt and water, frames are strong, durable and light in weight.

No. 12V—Length 12 in., grooved bottom, has two plumb and two level glasses; w't per doz. 16 lbs., per dozen\$60.00

No. 18—Length 18 in., has two plumb and two level glasses; w't per doz. 21 lbs.per dozen \$72.00

No. 24—Length 24 in., has two plumb and two level glasses, w't per doz. 32 lbs.per dozen \$96.00

No. 28—Length 28 in., has four plumb and two level glasses, w't per doz. 40 lbs.per dozen \$108.00

No. 30 1/2—Length 30 in., has four plumb and two level glasses, w't per doz. 41 lbs.per dozen \$120.00

CARPENTERS' AND MACHINISTS' LEVELS

Nos. 36, 37 37G and 237 have tops and bottoms milled and wet ground to insure two perfectly parallel surfaces. Glasses are accurately placed and are so set that either surface may be used to level or plumb. Glass cases have screw adjustments in eccentric cone centers.



STANLEY'S, adjustable, japanned iron, ground edges, nickel plated trimmings, two plumbs, proved glasses.

Nos.	366	369	3612
Inches	6	9	12
W't, doz., lbs.	10 1/2	15	22 1/2
Per dozen	\$28.80	34.80	42.00

Nos.	3618	3624
Inches	18	24
W't per doz., lbs.	36	51
Per dozen	\$50.40	56.40

STANLEY'S, adjustable, nickel plated iron, polished edges, nickel plated trimmings, 2 plumbs, ground glasses, revolving glass protectors.

PLAIN BOTTOM

Nos.	3712	3718	3724
Inches	12	18	24
W't, doz., lbs.	25	38	51
Per dozen	\$56.40	75.20	78.00

GROOVED BOTTOM

Nos.	3712G	3718G	3724G
Inches	12	18	24
W't doz., lbs. ..	24	37 1/2	50
Per dozen	\$56.40	67.20	78.00



STANLEY'S, aluminum, adjustable, nickel-plated level cases, revolving glass protectors, and black finish light in weight, will not rust or warp.

Nos.	22712	23718	23724
Inches	12	18	24
W't, doz., lbs.	12	15	21
Per dozen	\$58.80	73.20	85.20

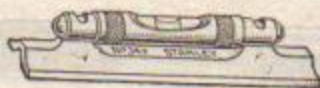
ONE IN A BOX

STANLEY MACHINISTS' LEVELS

Nickel plated proved level glass, 2 side views, square ends.

Nos.	38½	39½
Length, in.	4	6
W't, doz., lbs.	3½	7
Per dozen	\$11.60	14.40

HALF DOZEN IN A BOX

STANLEY MACHINISTS' LEVELS

Adjustable, nickel plated, iron base, polished edges, V bottom, revolving glass protector, ground glass.

Nos.	344	346	348	3410
Inches	4	6	8	10
W't, dz., lbs.	6	9	12	18
Per dozen	\$24.90	31.20	42.00	46.20

HALF DOZEN IN A BOX

LINE LEVELS**STEVENS'**

No. 11—Length 3 in., aluminum, nicely finished, used in connection with a line to which level is hung for laying foundations, ditching, sewering, brick and cement walls, carpenter work and many other purposes, w't per doz. ½ lb., per dozen

ONE IN A BOX

SAND'S PLUMBS AND LEVELS

Wood, selected air-dried white pine, well seamed, light and durable. Quick acting glasses, accurately set in level. Glasses are covered by heavy plate glass for protection.



No. 1A—Length 48 in., 2½ in. wide, 1½ in. thick, two plumb glasses and two level glasses, w't per doz. 33 lbs., per dozen

ONE DOZEN IN A CASE



No. 3A—Length 48 in., 2½ in. wide, 1½ in. thick, four plumb glasses and two level glasses, w't per doz. 34 lbs., per dozen

ONE DOZEN IN A CASE



No. 7A—Brass bound, length 48 in., 2½ in. wide, 1½ in. thick, four plumb glasses and two level glasses, w't per doz. 50 lbs.

HALF DOZEN IN A CASE



CAST ALUMINUM, machined and nicely finished. Glasses are securely set in frame and covered by plate glass which protects them from dust, dirt and water. Frames are strong, durable and light in weight.

No. 42—Length 42 in., 2½ in. wide, 1½ in. thick, four plumb and two level glasses, w't per doz. 51 lbs., per dozen

ONE IN A BOX

MASON'S LEVELS**STANLEY**

STANLEY'S, square top plate, 2 plumbs, 2 side views, proved glasses, polished hardwood, grooved side.

No. 7½—36 in., w't per doz. 52 lbs.

No. 8S—42 in., w't per doz. 58 lbs.

HALF DOZEN IN A CASE



No. 35—Stanley's, adjustable, square top plate, 2 side views, proved glasses, adapted for plumb bob and line, polished, 42 in., w't per doz. 65 lbs., per dozen

HALF DOZEN IN A CASE



STANLEY'S' adjustable, square top plate, 2 brass lipped side views, 2 plumbs, proved glasses, with plumb rule, adapted for plumb bob and line.

Plumb glasses are set in separate holes, each on the right hand side. Enabling workman to plumb below or above where he stands.

No. 45½—1½ stock, 48 in., w't per doz. 60 lbs., per dozen

HALF DOZEN IN A BOX

POCKET LEVELS



STANLEY'S, jappanned iron, rounded ends, proved glass, length 3½ in., w't per doz. 1½ lbs.

No. 40—Jappanned top plate, per dozen\$3.10

No. 41—Brass top plate, per dozen\$3.30

ONE DOZEN IN A BOX



STANLEY'S nickel plated brass, hemispherical, spherical ends, proved glass.

No. 31—In. 2 3 3½

W't per doz., lbs. 1 1 1½

Per dozen\$8.20 9.60 12.00

HALF DOZEN IN A BOX



No. 200—Rosewood, brass top plate, two side views, 6x1½ in., w't per doz. 2 lbs.per dozen \$5.00

ONE DOZEN IN A BOX

STRAIGHT EDGE LEVELS



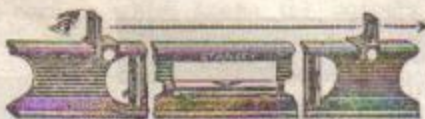
A unique labor saving device, for setting door jambs, window frames, planing walls, leveling joists, wall plates and sleepers.

Can be attached to any piece of wood.

No. 10—Leonhart's, diam. 3 in. stamped from one piece of nickel plated steel, w't per doz. 1½ lbs., per dozen\$8.00

ONE IN A BOX

LEVEL SIGHTS



Can be attached to any iron level and they afford a convenient and accurate means for leveling at a long distance.

No. 2—Stanley's, improved, length 2 in., width 1½ in., gun finish iron for iron levels, w't ½ lb., per pair\$1.60

ONE PAIR IN A BOX



Can be attached to any wood level and afford a convenient and accurate means for leveling at a distance.

No. 1—Stanley's, improved, length 1½ in., width 2 in., gun finish iron, for wood levels, w't ½ lb., per pair\$1.60

ONE PAIR IN A BOX

LEVEL GLASSES



STANLEY'S, Proved.

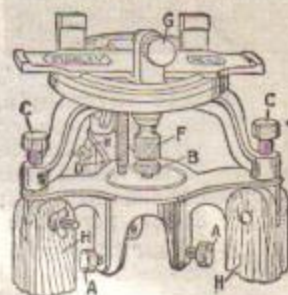
Nos.	1	1½	1½	1½
Length, in.	1	1½	1½	1½
W't, gro., lbs.	1½	2	3	3
Per dozen	\$1.45	1.50	1.50	1.55

Nos.	2	2½	3
Length, in.	2	2½	3
W't, gro., lbs.	4½	4½	6
Per dozen	\$1.70	1.90	2.10
		Asst'd	

Nos.	3½	4	5
Length, in.	3½	4	13,3,3½
W't, gro., lbs.	6	7½	6
Per dozen	\$2.20	2.70	2.00

ONE DOZEN IN A BOX

STANLEY LEVEL STANDS



A practical device for holding level with sights attached. It enables the user to run grades for ditches, drains, etc., and to set profiles for foundation work. It consists of a base and rotating level carrier. The base can be attached by set screws to one stake or to three stakes forming a tripod.

No. 38—4½ in. long, 5½ in. wide, for metal levels, w't each 1½ lbs., each\$3.70

No. 48—4½ in. long, 5½ in. wide, for wood level, w't each 2 lbs., each\$3.70

ONE IN A BOX

JOINTER GAUGES



No. 88—Perfection, cast iron, japanned, polished surface, all parts nickel plated, adjustable, for squaring to any bevel, can be attached to either wood or iron plane, w't per doz. 23 lbs.per dozen \$32.00

ONE IN A BOX



Also used to square up edge of boards. Can be used on either side of plane for right or left hand work.

No. 386—Stanley, all metal, nicked finish, for use on all sizes iron jack or jointer planes to plane bevels of any angle between 30 and 90 degrees, w't per doz. 24 lbs., per dozen \$36.00

ONE IN A BOX

TRY AND MITRE SQUARES



No. 15—Stanley's, 7½x1½ in. nickel plated steel blade marked in 8ths, 5½ in., nickel plated iron handle, w't per doz. 8½ lbs., per dozen \$18.60

HALF DOZEN IN A BOX



No. 2 blued steel blade, marked in 8ths, polished rosewood handle, grooved.

No. 2—In. ... 6 7½ 9
Width blade, in. ... 1½ 1½ 2
Length handle, in. ... 4 5 5½
W't per doz., lbs. ... 4½ 5 7½
Per dozen\$12.60 14.40 17.40

HALF DOZEN IN A BOX



STANLEY.

Adjustable, nickel plated blade and handle, reversible blade, marked in eighths, sixteenths and thirty-seconds of inches.

Provides any size try on mitre square within the capacity of the tool. A locking device holds the blades firmly in position. It makes an excellent depth and marking gauge.

No. 21—Size, in. ... 6 9 12
W't doz., lbs. 5½ 7½ 10½
Per dozen\$15.30 18.50 21.40

ONE IN A BOX



Lufkin, polished steel blade marked in 8th and 16th, adjustable head with level, can be securely clamped at any point on blade, japanned head, used for a try square, 45 degrees mitre, and depth gauge. Removable blade.

No. 65L—Inches 9 12
W't doz., lbs. 10 14
Per dozen\$21.60 24.00
ONE ONLY IN A DISPLAY BOX

TRY SQUARES



No. 20, blued steel blade marked in 8ths, polished rosewood handle, brass face plate.

No. 20—In. 4½ 6 7½
Width blade, in. ... 1½ 1½ 1½
Length handle, in. ... 3½ 4½ 5½
W't per doz., lbs. ... 3½ 4 6
Per dozen\$8.20 10.90 11.80

No. 20—In. 9 12
Width blade, in. 2 2½
Length blade, in. 6 7
W't per doz., lbs. 7½ 9½
Per dozen\$15.20 20.20

No. 6—H. S. B. & Co., 6x1½ in., polished steel blade, marked in 8ths, 3½ in. polished steel handle, w't per doz. 2½ lbs.per dozen \$2.50
HALF DOZEN IN A BOX

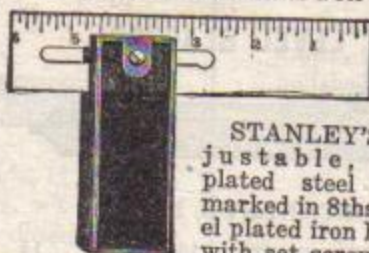


STANLEY'S nickel plated steel blade, marked in 8ths, nickel plated iron handle.

No. 12—In. 4 6 8
Width blade, in. ... 1½ 1½ 1½
Length handle, in. ... 3½ 4½ 5½
W't per doz., lbs. ... 3 4½ 8½
Per dozen\$8.80 11.40 12.80

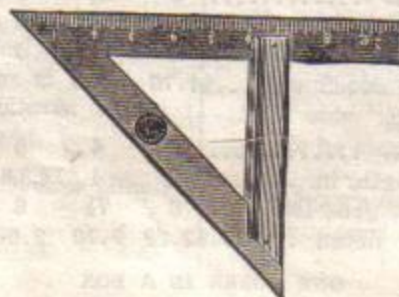
No. 12—In. 10 12
Width blade, in. 1½ 1½
Length handle, in. 6½ 8
W't per doz., lbs. 11 16
Per dozen\$16.60 19.80

HALF DOZEN IN A BOX



STANLEY'S, adjustable, nickel plated steel blade, marked in 8ths, nickel plated iron handle, with set screw.

No. 14—6 in., width of blade, 1½ in., length of handle, 3½ in., w't per doz., 4½ lbs.per dozen \$11.30
HALF DOZEN IN A BOX



No. 8—Fox's, 10x1 in., nickel plated steel blade, marked in 8th, 5½ in. nickel plated bent steel handle, w't per doz. 5½ lbs.per dozen \$4.00

ALL OF ABOVE SQUARES
HALF DOZEN IN A BOX

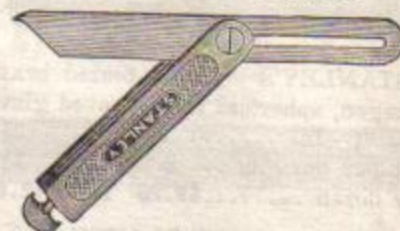
SLIDING T BEVELS



Blue steel blade, polished rosewood handle, brass tipped, brass screw.

No. 25—Inches ... 6 8 10 12
Width blade, in. 1 1 1 1
Length handle, in. 4½ 5½ 7½ 8½
W't doz., lbs. 2½ 3½ 4½ 5
Per dozen ..\$9.30 10.40 10.80 12.10

HALF DOZEN IN A BOX

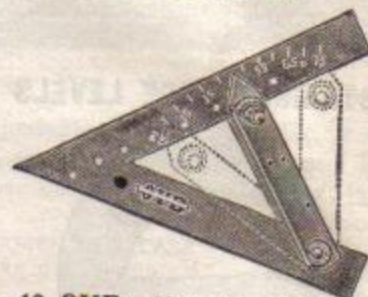


STANLEY'S, Eureka, nickel plated steel blade, nickel plated iron handle, end screw.

No. 18—In. 6 8 10
Width blade, in. ... ½ ½ 1
Length handle, in. 4½ 5½ 6½
W't per doz., lbs. ... 4½ 5 7
Per dozen\$13.80 17.60 19.20

HALF DOZEN IN A BOX

COMBINED BEVELS AND SQUARES



No. 19—10x1 in., nickel plated adjustable base which can be set to any steel blade graduated in 8ths on one side, reverse side has scale for movable base which can be set to any angle, w't per doz. 6 lbs., per dozen\$14.00

TRY SQUARES

No. 8—Fox's, 10x1 in., nickel plated steel blade, marked in 8th, 5½ in. nickel plated bent steel handle, w't per doz. 5½ lbs.per dozen \$4.00

ALL OF ABOVE SQUARES
HALF DOZEN IN A BOX

SQUARES

All our steel squares have hardened corners which keeps the corners from becoming blunt or worn. squares have a special high polished finish.



Octagon "Eight Square Scale."

This scale is one the face side of the tongue and is for laying out an eight square on a square stick of timber. Suppose the timber is eight inches square. Take the eighth mark from 0 in your divider and lay off from each side of the center line on each of the four sides of the timber, work off the corners up to these lines.

Hundredth Scale.

There is one inch graduated into one hundred parts, sub-divided into twenty parts, that will be found convenient when using the brace and rafter measures, where decimal fraction occur. This is located in the corner near the brace measure.



Brace Measure.

On back of tongue is the brace measure. 39-39-55.16 means that with a run of 39 in. each way the length of brace is 55.16 in. 18-24-30 is 18 in. run one way and 24 in. the other way, length of brace 30 in.

Board Measure.

This is on the back of the body when you look at the square with the tongue in your left hand. If you have 14 ft. boards, look at 12 in. on the square. The lengths are the figures under it along the mark.

Find 14. Find next the figure that is the same as the width. If it is 6 in., there are 7 ft. in the board. If a board is 10 ft. long and 15 in. wide, proceed same as before, and find 12 ft. 6 in. If the board is 16 ft. long, double the 8 ft. reading.

OUR VERY BEST POLISHED STEEL

No. 10 **OVS**—Extra, body 1 ft. x 1½ in., tongue 8x1 in., face marked in 4ths and 8ths, back in 4ths and 12ths, w't per doz. 11 lbs.per dozen \$20.70

No. 14 **OVS**—Body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths and 8ths, back in 4ths with board measure, w't per doz. 28 lbs.per dozen \$27.00

No. 3 **OVS**—Super, super extra, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths, back in 4ths and 12ths with board and brace measure, w't per doz. 28 lbs.per dozen \$40.40

No. 100 **OVS**—Improved, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with octagon eight-square scale, back in 4ths, 8ths, 10ths, 12ths and 32nds, with brace and board measure and hundredth scale, w't per doz. 28 lbs.per dozen \$33.30

No. 18 **OVS**—Body 18x1½ in., tongue 12x1 in., face marked in 4ths and 16ths, back in 4ths and 12ths, w't per doz. 12 lbs.per dozen \$27.00

QUARTER DOZEN IN A BOX

OUR VERY BEST GALVANIZED STEEL

No. 3G **OVS**—Super, super extra, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths, back in 4ths and 12ths with board and brace measure, w't per doz. 26 lbs.per dozen \$40.20

No. 100G **OVS**—Body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with octagon eight-square scale, back in 4ths, 8ths, 10ths, 12ths and 32nds, with board and brace measure and hundredth scale, w't per doz. 26 lbs.per dozen \$43.60

OUR VERY BEST NICKEL PLATED STEEL

No. 100NP **OVS**—Improved, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with octagon eight-square scale, back in 4ths, 8ths, 10ths, 12ths and 32nds with board and brace measure and hundredth scale, w't per doz. 28 lbs., per dozen\$42.00

QUARTER DOZEN IN A BOX

OUR VERY BEST ROYAL COPPER FINISHED

Royal copper finish consists of a double coating of copper electro-plated on, making a very heavy coating of copper which prevents moisture from attacking the steel.

No. 3RC **OVS**—Super, super extra, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths, back in 4ths and 12ths, with board and brace measure, w't doz. 26 lbs.per dozen \$45.80

No. 100RC **OVS**—Body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths, with octagon eight square scale, back in 4ths, 8ths, 10ths, 12ths and 32nds, with board and brace measure and hundredth scale, w't doz. 26 lbs.\$49.00

QUARTER DOZEN IN A BOX

EAGLE POLISHED STEEL

No. 10—Body 1 ft. x 1½ in., tongue 8x1 in., face marked in 4ths and 8ths, back in 4ths and 12ths, w't per doz. 11 lbs., per dozen\$20.70

No. 14—Body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths and 8ths, back in 4ths, with board measure, w't per doz. 28 lbs.per dozen \$27.00

No. 3—Super, super extra, body 2 ft. x 2 in., tongue 16 in., fact marked in 4ths, 8ths and 16ths, back in 4ths, and 12ths with board and brace measure, w't per doz. 28 lbs.per dozen \$30.40

No. 100—Improved, body 2 ft. x 2 in., tongue 16 in., face marked in 4ths, 8ths and 16ths with octagon eight-square scale, back in 4ths, 8ths, 10ths, 12ths and 32nds with board and brace measure and hundredth scale, w't per doz. 28 lbs.per dozen \$33.30

QUARTER DOZEN IN A BOX

SQUARES

BLUED STEEL



For description of markings, see page 87.

No. 3B **QVB**—Super extra, body 2 ft. x 2 in., tongue 16 in. or 18x1½ in., face marked in 4ths and 16ths, back in 4ths, 8ths and 12ths, with board and brace measure, w't per doz. 28 lbs.per dozen \$40.20

No. 14B **QVB**—Body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths and 8ths, back in 4ths with board measure, w't per doz. 28 lbs.per dozen \$36.80

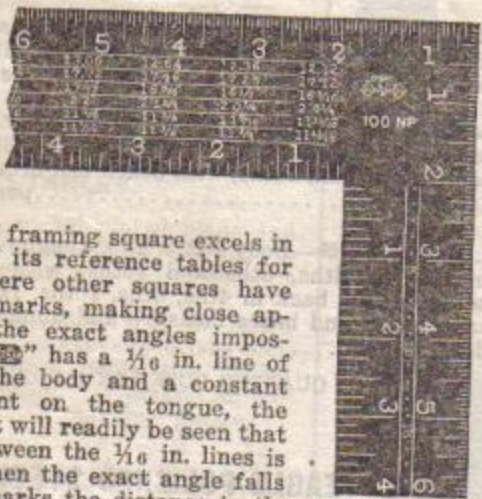
No. 100B **QVB**—Improved, body 2 ft. x 2 in., tongue 16 in., face marked in 4ths, 8ths and 16ths, with octagon eight-square scale, back in 4ths, 8ths, 10ths, 12ths and 32nds, with board and brace measure and hundredth scale, w't per doz. 28 lbs.per dozen \$43.60
QUARTER DOZEN IN A BOX

FLAT STEEL

No. 22—Body 2 ft. x 1½ in., tongue 12x1 in., face marked in 4ths and 8ths, back in 4ths, w't per doz. 14 lbs., per dozen\$16.20

No. 24—Body 2 ft. x 2 in., tongue 12x1½ in., face marked in 4ths and 8ths, back in 4ths, w't per doz. 21 lbs., per dozen\$18.00
HALF DOZEN IN A BOX

RAFTER AND FRAMING



The "**QVB**" framing square excels in the accuracy of its reference tables for side cuts. Where other squares have only inch line marks, making close approximates to the exact angles impossible, the "**QVB**" has a ¼ in. line of graduation on the body and a constant or turning point on the tongue, the 12 inch mark. It will readily be seen that the distance between the ¼ in. lines is so small that when the exact angle falls between these marks the distance to the nearest one can not exceed ½ of an inch, which is less than the size of a pencil mark in an angular opening of 12 inches. It also has a single set of reference numbers, making it impossible to transpose or get the angle wrong by laying the square on the timber with the body and tongue on the wrong numbers.

Another feature to be found on the "**QVB**" square, are the special marks on each and every graduation mark referred to in the tables. There is still another safe guard against mistakes by having different special marks for jack rafters and hip or valley rafters. These marks are also shown in the lettering at the end of the square connected with the directions.

It is necessary to remember but one number while marking framing on a lot of timber; with others there are two. This square has six rows of figures with large and distinct fractions, feet and inch marks. All cuts on the various members of a roof are marked by the figures in the fifth and sixth rows in the tables. The inch lines do not run across the space occupied by tables the decimal point

is in its proper place. Has Essex's board measure on it while other squares have not. Hundredth scale is one inch graduated into one hundred parts, sub-divided into twenty parts, convenient when using brace and rafter measures, where decimal fraction occur, located in corner near brace measure.

Framing, body 24x2 in., tongue 16x1½ or 1½ in., face marked in 4ths, 8ths and 16ths, with eight-square scale and rafter measure, back in 10ths, 12ths and 32nds, with board and brace measure and hundredth scale, w't per doz. 29 lbs.

No. 100F **QVB**—Nickel plated copper, per dozen\$56.00

No. 100RF **QVB**—Royal copper finish, per dozen\$61.70

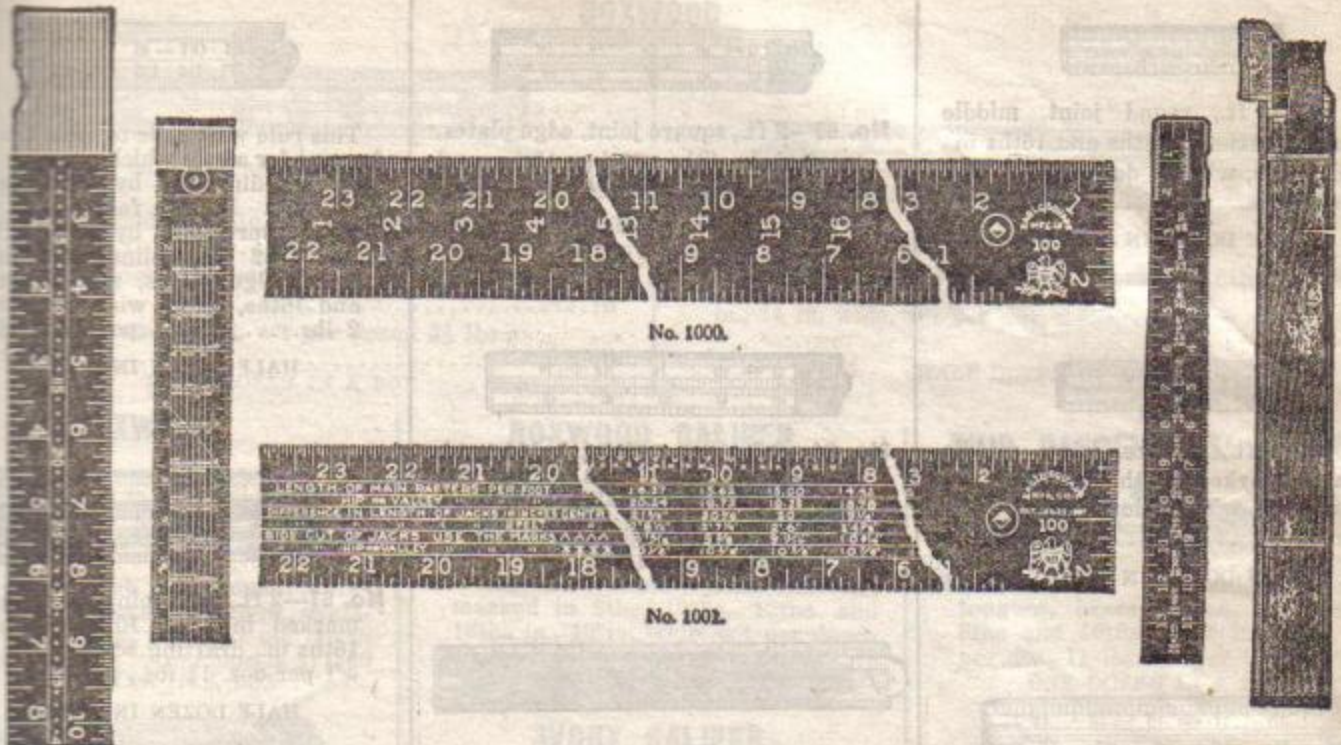
No. 3F **QVB**—Framing, polished steel, body 24x2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths, with rafter measure, back in 4ths and 12ths with board and brace measure, w't per doz. 29 lbs., per dozen\$36.90

No. 100BF **QVB**—Blued framing, body 24x2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with eight-square scale and rafter measure, back in 4ths, 8ths, 10ths, 12ths and 32nds with board and brace measure and hundredths scale, w't per doz. 29 lbs., per dozen\$56.00

No. 3BF **QVB**—Blued framing, body 24x2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths with rafter measure, back in 4ths and 12ths with board and brace measure, w't per doz. 29 lbs.per dozen \$45.30
QUARTER DOZEN IN A BOX

No. 100AF—Nickel plated framing, body 24x2 in., tongue 16x1½ in., face marked in 8ths and 16ths, back in 10ths, 12ths and 32nds, with rafter, octagon framing, 100th scale eight-square and brace measure, w't per doz. 29 lbs., per dozen\$56.00

SQUARES



EAGLE TAKE-DOWN

The latest improved in Take-down square. The strongest construction, the tongue is made of one solid piece, the body is also milled from the solid. The proportions of the two parts are such as to give the strongest possible joint. The cam is the only one ever offered that will firmly hold the tongue into the body. Being eccentric, it draws the two parts together. It is the only square hole locking device ever offered. The convenience and durability of this square hole, into which if the key should be lost any square tool or file shank will successfully operate, needs only to be seen to be appreciated.

No. 1000—Regular, steel, oxidized copper finish, yellow figures and markings, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths, with octagon eight square-scale, back in 4ths, 8ths, 10ths, 12ths and 32nds, with board and brace measure and hundredth scale, w't per doz. 28 lbs.per dozen \$81.60

No. 1001—Framing, steel, oxidized copper finish, yellow figures and markings, body 2 ft. x 2 in., tongue 16x1½ in., face marked in 4ths, 8ths and 16ths, with octagon eight square scale and rafter measure, back in 10ths, 12ths and 32nds, with board and brace measure and hundredth scale, w't per doz. 30 lbs.per dozen \$88.60

Only framing square made containing the board measure in addition to complete framing tables.

The two parts of the square and the key to operate the locking cam, are enclosed in a rust-proof enamel leather case.

ONE IN A CANVAS CASE

MAIL ORDER DEPARTMENT

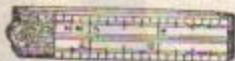
Our constant attention in sixty-seven years of business has been given to the perfection of the system of handling mail orders. Our object has always been to handle them with the greatest possible speed, with the result that we are enabled, in most cases, to ship mail orders the same day they are received.

BOXWOOD RULES



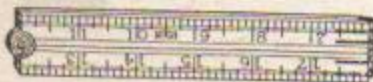
- No. 69**—1 ft., round joint, middle plates, marked in 8ths and 16ths in., $\frac{1}{2}$ in. wide, w't per dozen $\frac{1}{2}$ lb., per dozen\$3.10

ONE DOZEN IN A BOX



- No. 65**—1 ft., square joint, middle plates, marked in 8ths and 16ths in., $\frac{1}{2}$ in. wide, w't per dozen $\frac{1}{2}$ lb., per dozen\$3.50

HALF DOZEN IN A BOX



1 Inch Wide.

- No. 68**—Marked in 8ths and 16ths in., w't per doz. $1\frac{1}{2}$ lbs., per dozen \$3.80

- No. 68C**—Marked with centimeters on outside, 8ths and 16ths in. on inside, per dozen\$4.20

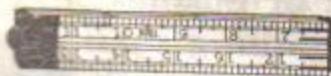
- No. 68L**—Marked in 8th and 16th in. w't per doz. $1\frac{1}{2}$ lbs., per dozen \$3.50

ONE DOZEN IN A BOX



- No. 62**—2 ft., square joint, full bound, marked in 8ths, 10ths, 12ths and 16ths in., $\frac{3}{4}$ in. wide, w't per doz. 2 lbs.per dozen \$13.90

HALF DOZEN IN A BOX



- No. 61**—2 ft., square joint, middle plates, marked in 8ths and 16ths in., 1 in. wide, w't per dozen $1\frac{1}{2}$ lbs., per dozen\$5.20

HALF DOZEN IN A BOX



- No. 63**—2 ft., square joint, edge plates, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. $1\frac{1}{2}$ lbs., per dozen \$6.90

HALF DOZEN IN A BOX



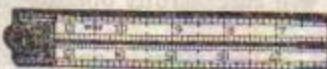
- No. 84**—2 ft., square joint, half bound, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. 2 lbs., per dozen \$11.30

HALF DOZEN IN A BOX



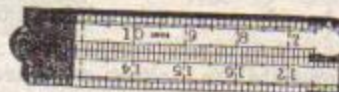
- No. 94**—Four fold, 4 ft., arch joint, full bound, marked in 8ths and 16ths, $1\frac{1}{2}$ in. wide, w't per doz. 6 lbs., per dozen\$46.40

HALF DOZEN IN A BOX



- No. 62**—2 ft., square joint, full bound, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. $2\frac{1}{2}$ lbs., per dozen \$13.90

HALF DOZEN IN A BOX



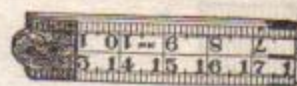
- No. 72**—2 ft., square joint, edge plates, marked in 8ths, 10ths and 16ths in., drafting scales, $1\frac{1}{2}$ in. wide, w't per doz. 2 lbs.per dozen \$8.70

HALF DOZEN IN A BOX



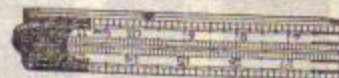
- No. 72**—2 ft., square joint, bound, marked in 8ths, 10ths and 16ths in., drafting scales, $1\frac{1}{2}$ in. wide, w't per doz. 3 lbs.per dozen \$15.70

HALF DOZEN IN A BOX



- This rule was made to meet the large demand for a rule which could be easily seen in a dim light by workmen with poor eyes. It is in fact a rule which will be appreciated by any mechanic.
- No. 07**—2 ft., blindmen's, square joint, edge plates, marked in 8ths and 16ths, $1\frac{1}{2}$ in. wide, w't per doz. 2 lbs.per dozen \$19.40

HALF DOZEN IN A BOX



- No. 51**—2 ft., arch joint, middle plates, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. $1\frac{1}{2}$ lbs., per dozen \$6.10

HALF DOZEN IN A BOX



- No. 53**—2 ft., arch joint, edge plates, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. $1\frac{1}{2}$ lbs., per dozen \$7.90

HALF DOZEN IN A BOX



- No. 54**—2 ft., arch joint, bound, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. $2\frac{1}{2}$ lbs.per dozen \$15.20

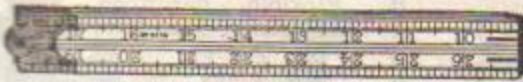
HALF DOZEN IN A BOX



- No. 83C**—Stanley, 2 ft., 4 fold, $1\frac{1}{2}$ in. wide, arch joint, edge plates, marked in 8ths, 10ths and 16ths in., drafting scales, caliper graduated in 32nds, w't per doz. $2\frac{1}{2}$ lbs., per dozen\$23.40

HALF DOZEN IN A BOX

RULES BOXWOOD



- 3 ft., 4 fold, 1 in. wide, arch joint, marked in 8ths and 16ths in.
- No. 66½—Brass middle plate, w't per dozen 2 lbs.,
per dozen\$10.40
- No. 66½—Brass edge plate at joint, w't per dozen 2 lbs.,
per dozen\$12.10
- No. 66½—Full brass bound, w't per dozen 3½ lbs.,
per dozen\$26.20
- HALF DOZEN IN A BOX



- No. 18—2 ft., 2 fold, square joint, marked in 8ths and 16ths in., 1½ in. wide, w't per doz. 2 lbs.per dozen \$6.70
- HALF DOZEN IN A BOX

BOXWOOD



- No. 76—2 ft., arch joint, bound, marked in 8ths, 10ths and 16ths in., drafting scales, 1½ in. wide, w't per dozen 3 lbs.per dozen \$17.50
- HALF DOZEN IN A BOX



- No. 53½—2 ft., arch joint, edge plates, marked in 8ths, 10ths, 12ths and 16ths in., with inside beveled edges and architect's drafting scales, 1 in. wide, w't per doz. 1½ lb.,
per dozen\$13.70
- HALF DOZEN IN A BOX

BOXWOOD CALIPER



- No. 36—6 in., square joint, two fold, marked in 8ths, 10ths, 12ths and 16ths in., ¾ in. wide, w't per dozen 1 lb.per dozen \$8.80
- HALF DOZEN IN A BOX



- No. 32—1 ft., arch joint, edge plates, four fold, marked in 8ths, 10ths, 12ths and 16ths in., 1 in. wide, w't per doz. 1½ lbs.per dozen \$13.50
- HALF DOZEN IN A BOX



- No. 32½—1 ft., arch joint, full bound, four fold, marked in 8ths, 10ths, 12ths and 16ths in., 1 in. wide, w't per doz. 1½ lbs.per dozen \$19.00
- HALF DOZEN IN A BOX

BOXWOOD CALIPER



- No. 36½—1 ft., square joint, two fold, marked in 8ths, 10ths, 12ths and 16ths in., 1½ in. wide, w't per dozen 1½ lbs.per dozen \$12.70
- HALF DOZEN IN A BOX

IVORY CALIPER



- No. 38—6 in., square joint, German silver bound, two fold, marked in 8ths, 10ths, 12ths and 16ths in., 1 in. wide, w't per doz. ¾ lbs., doz. \$28.20
- HALF DOZEN IN A BOX



- No. 40—1 ft., square joint, German silver bound, four fold, marked in 8ths and 16ths in., ¾ in. wide, w't per doz. 1½ lbs.per dozen \$82.70
- HALF DOZEN IN A BOX



- No. 87—2 ft., arch joint, German silver bound, marked in 8ths, 10ths, 12ths and 16ths in., drafting scales, 1 in. wide, w't per doz. 3 lbs., doz. \$150.60
- HALF DOZEN IN A BOX

BLACKSMITHS' BRASS



- No. 17—Stanley's, 2 ft., polished spring brass, two fold, marked in 8ths and 16ths in., ¾ in. wide, w't per doz. 2½ lbs.per dozen \$12.20
- HALF DOZEN IN A BOX

SHIP CARPENTERS' BEVELS



- No. 42—1 ft., boxwood, 2 brass tongues, brass tipped, marked in 8ths and 16ths in., ¾ in. wide, w't per doz. 1½ lbs.per dozen \$9.00
- ONE DOZEN IN A BOX

FOLDING POCKET



- No. 041—Dandy, length 1 ft., ¾ in. wide, three fold nickel plated steel, rivet joints, marked on one side only in 8ths and 16ths, w't per dozen 6 oz., per dozen\$3.00
- ONE DOZEN IN A DISPLAY BOX

RUSTLESS CALIPER RULES



This is a very serviceable pocket caliper rule at a low price.

- No. 66—6 in. made from a special alloy of aluminum. Has a bright surface and will not rust. Brass caliper head and slide 1 inch high. Rule has brass tip. The end and caliper head are both graduated in 16ths. Body is graduated in 8ths, 16th and 32nds. W't per dozen ½ lb., per dozen\$8.00
- ONE DOZEN IN A BOX

REYNOC FOLD-FLEX



Flexible, hardwood, rivet joints, brass plated, stiff springs, 6 in. fold, width $\frac{1}{2}$ in., graduated in inches and sixteenths.

A strong well made rule at a moderate price.

Yellow Enameled.

Nos.	813	814	815
Length, ft.	3	4	5
W't, doz., lbs.	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
Per dozen	\$4.00	5.35	6.70

Nos.	816	817
Length, ft.	6	8
W't, doz., lbs.	3	4
Per dozen	\$8.00	10.70

White Enameled.

Nos.	823	824	825
Length, ft.	3	4	5
W't, doz., lbs.	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
Per dozen	\$4.40	5.80	7.30

Nos.	826	828
Length, ft.	6	8
W't per doz., lbs.	3	4
Per dozen	\$8.80	11.70

NOS. 813 AND 823 ONE DOZEN, OTHERS HALF DOZEN IN A BOX

STANLEY VICTOR ZIGZAG



6 in. fold, rivet joints, brass plated.

Yellow Enameled.

Nos.	803	804	805	806
Length, ft.	3	4	5	6
W't, doz., lbs.	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$
Per dozen	\$4.00	5.35	6.70	8.00

White Enameled.

Nos.	853	854	855
Length, ft.	3	4	5
W't per doz., lbs.	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$
Per dozen	\$4.40	5.80	7.30

Nos.	856	858
Length, ft.	6	8
W't per doz., lbs.	2 $\frac{1}{2}$	3 $\frac{1}{2}$
Per dozen	\$8.80	11.70

ONE DOZEN IN A BOX

STANLEY VICTOR ZIGZAG



Rivet joints and tips, width $\frac{1}{2}$ in., graduated in sixteenths, 6 in. fold.

Boxwood, Stained.

Nos.	803F	804F	805F	806F
Length, ft.	3	4	5	6
W't doz., lbs.	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3
Per dozen	\$4.00	5.35	6.70	8.00

White Enameled.

Nos.	853F	854F	855F
Length, ft.	3	4	5
W't per doz., lbs.	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
Per dozen	\$4.40	5.80	7.30

Nos.	856F	858F
Length, ft.	6	8
W't per doz., lbs.	3 $\frac{1}{2}$	4 $\frac{1}{2}$
Per dozen	\$8.80	11.70

HALF DOZEN IN A BOX



Concealed joints, brass plated trimmings, with $\frac{1}{16}$ in., graduated in sixteenths, 4 in. fold.

Yellow Enameled.

Nos.	342	343	344
Length, ft.	2	3	4
Fold, in.	6	9	12
W't per doz., lbs.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$3.90	5.90	7.80

HALF DOZEN IN A BOX



Concealed joints with stiff spring, 6 in. fold, $\frac{1}{2}$ in. wide. Patent metal strike plates which prevent wearing.

Boxwood, Stained.

Nos.	03	04	05
Length, ft.	3	4	5
W't per doz., lbs.	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
Per dozen	\$5.30	7.00	8.70

Nos.	06	08
Length, ft.	6	8
W't per doz., lbs.	3	4
Per dozen	\$10.70	14.50

White Enameled.

Nos.	103	104	105
Length, ft.	3	4	5
W't per doz., lbs.	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$
Per dozen	\$5.70	7.60	9.50

Nos.	106	108
Length, ft.	6	8
W't per doz., lbs.	3 $\frac{1}{2}$	4 $\frac{1}{2}$
Per dozen	\$11.40	15.30

HALF DOZEN IN A BOX

LUFKIN FOLDING RULES

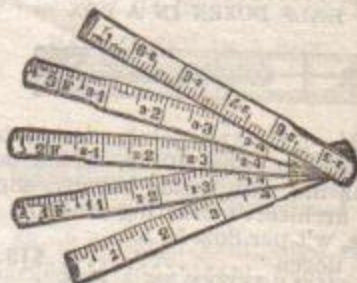
Flexible, hardwood, rivet joint, stiff spring, 6 in. fold, width $\frac{1}{2}$ in.



Graduated in inches and sixteenths, patent hook fitted to first end of rule which folds flush with rule when not in use, serves handy purpose in taking measurements out of arm's reach.

Nos.	8524H	8525H	8526H	8528H
Length, ft.	4	5	6	8
W't, doz., lbs.	2	2 $\frac{1}{2}$	3	4
Per dozen	\$6.00	7.20	8.60	11.30

HALF DOZEN IN A BOX



Concealed joints, marked feet and inches on one side, 10ths and 100ths on the other side, 6 in. fold.

Yellow Enameled.

Nos.	9514D	9515D	9516D
Length, ft.	4	5	6
W't per doz., lbs.	2	2 $\frac{1}{2}$	3
Per dozen	\$5.60	6.90	8.20

HALF DOZEN IN A BOX



Rivet joint, brass plated, 6 in. fold, $\frac{1}{2}$ in. wide, marked consecutive in inches and sixteenths, nicely finished.

Yellow Enameled.

Nos.	8524	8525	8526
Length, ft.	4	5	6
W't doz., lbs.	2	2 $\frac{1}{2}$	3
Per dozen	\$5.35	6.70	8.00

White Enameled.

Nos.	8624	8625	8626
Length, ft.	4	5	6
W't, doz., lbs.	2	2 $\frac{1}{2}$	3
Per dozen	\$5.80	7.20	8.70

HALF DOZEN IN A BOX

LUFKIN FOLDING



Concealed brass plated joints, with stiff springs. 6 in. fold, $\frac{1}{8}$ in. wide, marked consecutively in inches, graduated in inches and sixteenths. Nicely finished.

YELLOW ENAMELED

Nos.	8514	8515	8516
Length, ft.	4	5	6
W't per doz., lbs.	2	2 $\frac{1}{2}$	3
Per dozen	\$5.35	6.70	8.00

WHITE ENAMELED

Nos.	8614	8615	8616
Length, ft.	4	5	6
W't per doz., lbs.	2	2 $\frac{1}{2}$	3
Per dozen	\$5.80	7.20	8.70

HALF DOZEN IN A BOX

RUSTLESS FOLDING



Made of a special alloy of aluminum, has a bright surface and will not rust when exposed to moisture. Brass spring joints. Marked in large, clear figures in inches and sixteenths.

Nos.	4	5	6
Length, ft.	4	5	6
W't per doz., lbs.	4 $\frac{1}{2}$	5 $\frac{1}{2}$	6
Per dozen	\$22.40	28.00	33.60

HALF DOZEN IN A BOX

STANLEY ALUMINUM ZIGZAG



Elvet joint, six inch folds, $\frac{1}{8}$ in. wide, black finish, raised white figures and graduations. Graduated in inches and sixteenths on both sides. These rules possess great strength and lightness.

Nos.	424	425	426
Length, ft.	4	5	6
W't per doz., lbs.	3 $\frac{1}{2}$	4	5
Per dozen	\$21.40	26.80	32.00

HALF DOZEN IN A BOX

RULES

STANLEY'S ZIGZAG EXTENSION



Boxwood stained, brass joints, slides and tips, marked in 8ths and 16ths in., $\frac{1}{8}$ in. wide.

These rules have all the advantages of the regular Zigzag rules, and in addition have at one end an extension slide, by the use of which exact inside measurements may be readily obtained.

Nos.	204	206
Length, ft.	4	6
W't per doz., lbs.	2 $\frac{1}{2}$	3 $\frac{1}{2}$
Per dozen	\$10.90	14.40

HALF DOZEN IN A BOX

STANLEY'S EXTENSION



Hickory, brass extension slides and tips, brass set screw, 1 in. wide.

Nos.	240	510
Extension, ft.	2 to 4	5 to 10
W't per doz., lbs.	9	15
Per dozen	\$21.20	33.60

LOOSE

INTERLOX MASTER SLIDE



Select boxwood, trimmed with solid spring brass.

The principal merit of this rule is for taking inside measurements by extending to the desired width which can be instantly read. The reverse side is marked same as a regular rule.

Nos.	23	24
Length, ft.	3	4
W't per doz., lbs.	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Per dozen	\$10.80	14.40

Nos.	25	26
Length, ft.	5	6
W't per doz., lbs.	2	2 $\frac{1}{2}$
Per dozen	\$18.00	21.60

HALF DOZEN IN A BOX

LUFKIN EXTENSION SPRING JOINT



Boxwood, extra heavy, brass plated spring joints. Graduated both sides in inches, eighths and sixteenths. When extension slide is used gives measuring capacity 6 in. additional length.

Rule is more rigid when extended than the ordinary folding rule, thus making it better adapted for upright measurements.

Particularly designed for taking inside measurements of openings such as door and window frames, for boilers, etc.

The first section is fitted with a graduated brass slide which cannot come loose or fall out as it is securely locked at both ends. To obtain inside measurements, open rule to within six inches or less of distance between points to be measured. Extend brass slide by push button to point of measurement. Add measurement on brass slide to that shown at extreme end of rule, which will give you exact distance between points measured. Extension slide admirably adapted to measuring depth of mortises and other holes.

A rule that will especially appeal to carpenters, architects, inspectors, contractors, automobile workers and others.

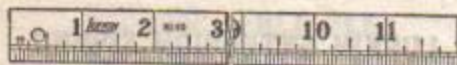
No. 8534X—4 ft. w't per doz. 3 lbs.,	
per dozen	\$12.00

No. 8535X—5 ft., w't per doz. 3 $\frac{1}{2}$ lbs.,	
per dozen	\$15.00

No. 8536X—6 ft., w't per doz. 4 $\frac{1}{2}$ lbs.,	
per dozen	\$18.00

HALF DOZEN IN A BOX

LUFKIN STEEL RULES



No. 60—12 in., $\frac{3}{8}$ in. wide, 21 gauge, polished steel, marked in 8ths on one side, 16ths on other. Marked on lower edge only. This rule is especially desirable for schools and manual training work, w't per doz. 1 lb.per dozen \$9.80

HALF DOZEN IN A BOX

STANLEY SCHOOL RULES



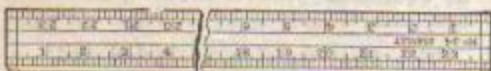
No. 34—1 ft. long, $1\frac{1}{2}$ in. wide. Made from selected maple with brass tips on ends. Graduated in 8ths and 16ths, w't per doz. $1\frac{1}{2}$ lbs., per dozen\$5.00

ONE DOZEN IN A BOX

No. 34—1 ft. long, $1\frac{1}{2}$ in. wide. Boxwood, nicely finished with brass tips on ends. Graduated in 8ths and 16ths, w't per doz. $1\frac{1}{2}$ lbs., per dozen\$5.50

ONE DOZEN IN A BOX

STANLEY BENCH RULE



No. 34—2 ft. long, $1\frac{1}{2}$ in. wide. Made from selected maple with brass tips on ends. Graduated in 8ths and 16ths, w't per doz. $2\frac{1}{2}$ lbs., per dozen\$6.80

ONE DOZEN IN A BOX

LUFKINS COMBINATION RULE, LEVEL AND PROTRACTOR



No. 863L—2 ft., 4 fold boxwood, $1\frac{1}{2}$ in. wide, arch joint edge plates, with drafting scales, level and protractor, with protractor it is very simple to obtain any degree or angle required. Graduated one side, inches and 8ths, other side inches and 16ths, with architect's scales, w't per doz. $7\frac{1}{2}$ lbs., per dozen\$32.00

ONE IN A BOX

YARD STICKS



Polished, brass tipped, marked in 8ths in.

No. 41—Maple, 1 in. w't per doz. $3\frac{1}{2}$ lbs.per dozen \$6.70

No. 50—Hickory, $\frac{3}{4}$ in. wide, w't per doz. 2 lbs.per dozen \$9.60

ONE DOZEN IN A PACKAGE

Maple, marked in 8ths, and inches on one side and 8ths of yard on opposite side, $1\frac{1}{2}$ in. wide.

No. 16—W't per dozen $3\frac{1}{2}$ lbs., per dozen\$4.00

No. 16B—Brass tipped and brass eyelet on end, w't per doz. 4 lbs., per dozen\$5.50

LOOSE

STANLEY'S PATTERN MAKERS' SHRINKAGE RULES



Boxwood, Brass Tips, $24 \times 1\frac{1}{2}$ Inches.

Nos. 30C 30E 30F 30G

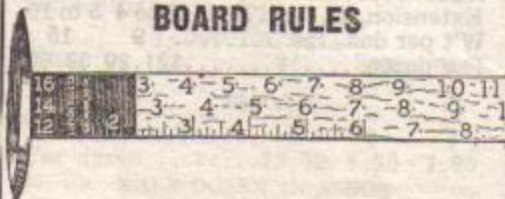
Shrinkage per ft., in. $\frac{1}{10}$ $\frac{1}{8}$ $\frac{3}{16}$ $\frac{1}{4}$

W't, doz., lbs. $2\frac{1}{4}$ $2\frac{1}{4}$ $2\frac{1}{4}$ $2\frac{1}{4}$

Per dozen..\$26.30 26.30 26.30 26.30

HALF DOZEN IN A BOX

BOARD RULES



No. 3— $1\frac{1}{2}$ in. wide, diamond head, hickory, white shellacked, burnt figures, polished steel head, 3 tiers wide—12, 14, 16 and 8, 10 and 18 ft.—length 3 ft., w't per doz. $6\frac{1}{2}$ lbs., per dozen\$44.80

HALF DOZEN IN A PACKAGE



3 tier, 1 in. wide, oval head, hickory white shellacked, burnt figures, extra heavy braced head, steel caps and 2 in. brass shoulders.

One side for 8, 10 and 18 ft., opposite side for 12, 14 and 15 ft.

Length 3 feet.

Figures 30 in. high with 6 in. handle.

In addition to regular markings, has dashes to indicate the half foot.

No. 02N— $\frac{3}{4}$ in. wide, w't per doz. $5\frac{1}{2}$ lbs.per dozen \$50.60

LUFKIN FOLDING LOG RULES

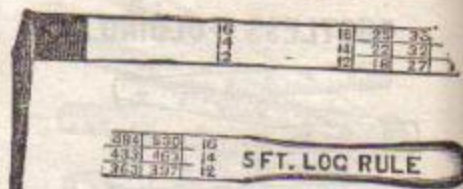


Hardwood, yellow joints, 6 in. fold with metal end hook on first joint, marked one side for 12, 14 and 16 ft. logs, diameter up to 48 in., other side for 10 and 18 ft. logs and with row of inches to sixteenths at lower edge. Convenient to carry and particularly adapted to loggers doing a limited amount of scaling.

No. 524—Doyle, 4 ft., w't per doz. 2 lbs.per dozen \$8.40

HALF DOZEN IN A BOX

LOG RULES



Hickory, solid hook, figured 48 inch scale, for 12 to 24 foot logs, 8 in. handle.

No. 11—Scribner's, w't per dozen 11 lbs.per dozen \$52.60

No. 12—Doyle's, w't per doz. $11\frac{1}{2}$ lbs., per dozen\$52.60

HALF DOZEN IN A PACKAGE

LUFKIN'S



Hickory, square steel head, burnt figures.

No. 15—Doyle's scale, figured 36 in., for 8 to 20 ft. logs, length 42 in., w't per doz. $8\frac{1}{2}$ lbs. ...per dozen \$43.20

No. 15—Doyle-Scribner scale, figured 36 in., for 8 to 20 ft. logs, length 42 in., w't per doz. $8\frac{1}{2}$ lbs., per dozen\$43.20

No. 14—Doyle scale, figured 48 in., for 8 to 20 ft. logs, length 56 in., w't per doz. $9\frac{1}{2}$ lbs. ...per dozen \$52.60

HALF DOZEN IN A PACKAGE

MEASURING TAPES

REVONOC



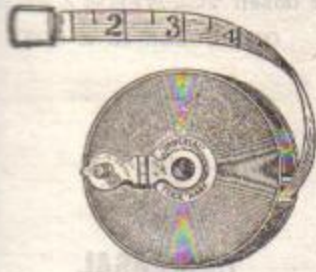
YELLOW COTTON TAPE— $\frac{1}{2}$ in. wide, waterproof coated, asses skin, brass bound, red enameled case, folding handle.

Nos.	30	33
Length, ft.	25	50
W't per doz., lbs.	2	3 $\frac{1}{2}$
Per dozen	\$7.80	10.40

Nos.	34	35	37
Length, ft.	66	75	100
W't per doz., lbs.	3 $\frac{1}{2}$	4 $\frac{1}{2}$	5 $\frac{1}{2}$
Per dozen	\$12.50	15.60	18.60

HALF DOZEN IN A BOX

LUFKIN UNIVERSAL



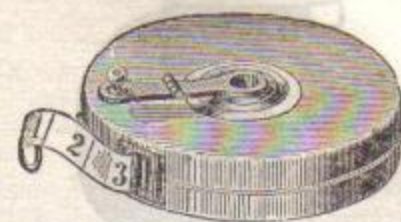
LINEN TAPE— $\frac{1}{2}$ in. wide, corded with pure unbleached linen, waterproof coated, case brass bound and side handsomely enameled in maroon, brass folding handle, brass ring and trimmings, strong and durable.

Marked Feet, Inches and Half Inches, One Side Only.

Nos.	730	733	734
Length, ft.	25	50	66
W't per doz., lbs.	3	4 $\frac{1}{2}$	5 $\frac{1}{2}$
Per dozen	\$10.00	16.00	18.00

Nos.	735	736
Length, ft.	75	100
W't per doz., lbs.	6	7 $\frac{1}{2}$
Per dozen	\$20.00	25.00

HALF DOZEN IN A BOX

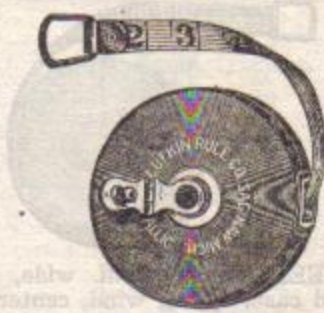


LINEN TAPE—Oak tanned bend leather case, $\frac{1}{2}$ in. heavy linen corded, waterproof coated tape.

No. 943—Length 50 ft., w't per doz. 5 lbs. per dozen \$40.00

HALF DOZEN IN A BOX

LUFKIN METALLIC



METALLIC WARP LINEN TAPE— $\frac{1}{2}$ in. wide, waterproof coated hard leather case, folding handle, nickel plated trimmings, instantaneous reading.

Marked Feet, Inches and Half Inches, One Side Only.

Nos.	500	503
Length, ft.	25	50
W't per doz., lbs.	6	9 $\frac{1}{2}$
Per dozen	\$46.50	67.50

Nos.	505	506
Length, ft.	75	100
W't per dozen, lbs.	13	16
Per dozen	\$84.00	105.00

ONE IN A BOX

Marked Feet, Inches and 10ths, One Side, Links on Back.

No.	503DL
Length, ft.	50
W't per doz., lbs.	9 $\frac{1}{2}$
Per dozen	\$70.50

ONE IN A BOX

LUFKIN BANNER



STEEL TAPE— $\frac{3}{4}$ in. nubian finish, black "auto leather" case, nickel plated trimmings, folding flush handle, opened by pressing button on opposite side, instantaneous reading. A serviceable tape at a moderate price.

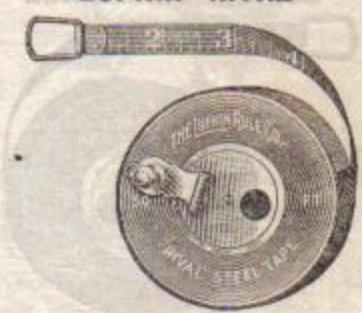
Marked Feet, Inches and 8ths, One Side Only.

Nos.	550	553
Length, ft.	25	50
W't per doz., lbs.	5	9
Per dozen	\$60.00	75.60

Nos.	555	556
Length, ft.	75	100
W't per doz., lbs.	12	15
Per dozen	\$99.00	126.00

ONE IN A BOX

LUFKIN RIVAL



STEEL TAPE— $\frac{3}{4}$ in. wide, nubian finish, nickel plated steel case, folding flush handles, opened by pressing pin on opposite side, case has knurled edges affording a firm hold when winding in tape.

Marked Feet, Inches and 8ths, One Side Only.

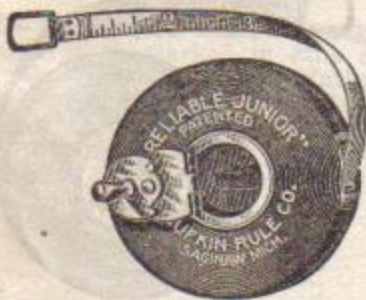
Nos.	240	243
Length, ft.	25	50
W't per doz., lbs.	3	9
Per dozen	\$72.00	87.40

Nos.	245	246
Length, ft.	75	100
W't per doz., lbs.	12	15
Per dozen	\$116.40	150.00

ONE IN A BOX

MEASURING TAPES

LUFKIN



STEEL TAPE—Metal lined hard leather case, double folding flush handle, opened by pressing pin on opposite side, nickel plated trimmings, handle has extension finger hold which affords a firm grip when winding in tape.

RELIABLE, JR.

$\frac{1}{4}$ Inch Tape, Marked Feet, Inches and 16th, One Side Only.

Nos.	100	103
Length, ft.	25	50
W't per doz., lbs.	3	5
Per dozen	\$82.50	124.80

RELIABLE

$\frac{1}{4}$ Inch Tape, Marked Feet, Inches and 8ths, Links on Back.

Nos.	203	205	206
Length, ft.	50	75	100
W't, doz., lbs. ..	8	11 $\frac{1}{2}$	14 $\frac{1}{2}$
Per dozen	\$150.00	214.80	259.20

ONE IN A BOX

LUFKIN CHALLENGE



STEEL TAPE— $\frac{3}{8}$ in. wide, metal lined hard leather case, nickel plated trimmings, folding flush handle, opened by pressing pin on opposite side.

Marked Feet, Inches and 8ths, One Side Only.

Nos.	263	265	266
Length, ft.	50	75	100
W't, doz., lbs. ..	8 $\frac{1}{2}$	13	16
Per dozen	\$97.20	126.00	165.00

HALF DOZEN IN A BOX

LUFKIN CHALLENGE JR.



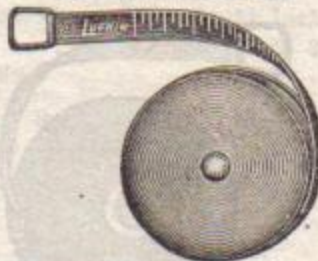
STEEL TAPE— $\frac{1}{4}$ in. wide, metal lined hard leather case, nickel plated trimmings, folding flush handles, opened by pressing pin on opposite side.

Marked in Feet, Inches and 16ths, One Side Only.

Nos.	1260	1263
Length, ft.	25	50
W't per doz., lbs.	3	5
Per dozen	\$76.20	92.40

ONE DOZEN IN A BOX

LUFKIN POCKET



STEEL TAPE— $\frac{1}{4}$ in. wide, nickel plated case, spring wind, center stop. Marked in Inches and 16ths.

No. 3145—60 in., w't per dozen 1 lb., per dozen	\$11.80
No. 3146—72 in., w't per dozen 1 lb., per dozen	\$13.80

HALF DOZEN IN A BOX



LINEN TAPE— $\frac{1}{4}$ in. wide, nickel plated case, patent spring with stop.

No. 175—5 ft., w't per doz. 1 lb., per dozen

No. 176—6 ft., w't per doz. 1 lb., per dozen

HALF DOZEN IN A BOX



No. 143—3 ft., steel tape, $\frac{1}{4}$ in. wide nickel plated brass case, marked in 16ths, spring wind with center stop, w't per doz. 1 lb., per dozen \$12.60

HALF DOZEN IN A BOX

LUFKIN POCKET



No. 145EM—5 ft., steel tape, $\frac{1}{4}$ in. wide, nickel plated steel case patent spring with stop, with centimeters and inches, w't per doz. 1 $\frac{1}{2}$ lbs., per dozen

HALF DOZEN IN A BOX

MARVEL



STEEL TAPE— $\frac{1}{4}$ in. wide, nickel plated case, spring wind, center stop. Marked in inches and 16ths, put up in an attractive leatherette display box.

No. 3143—36 in., w't per doz. 14 oz., per dozen

ONE DOZEN IN A BOX

UNIVERSAL



PAINTED TAPE—Nickel plated case, spring wind, center stop, marked in inches and 8ths, put up in a strong attractive display box.

No. 165—60 in., w't per doz. 1 lb., per dozen

ONE DOZEN IN A BOX



Lufkin steel and metallic tapes have instantaneous reading as shown on above cut.

PLUMB BOBS.



Turned from solid steel bars on finely adjusted automatic screw machines, making them perfectly accurate and true in every respect. Hardened points, finely nickel plated over a coat of electroplated copper.

Nos.	6	8	10
Length, in.	2½	3½	4
Wt. oz.	5	10	18
Per dozen	\$12.80	15.80	19.50

ONE IN A SCREW TOP WOOD BOX



HEXAGON hexagon tool steel brass, smooth, full polished.

Nos.	26	28	22
Length, in.	3½	4	5
Wt. oz.	6	8	12
Per dozen	\$12.00	12.00	18.00

ONE IN A BOX

PLUMB BOBS.



CRUSO, jappanned iron.

Nos.	1	1½	5
Length, in.	2½	4½	5
Wt, lbs.	½	1½	2½
Per dozen	\$1.50	3.20	4.80

NO. 1, ONE DOZEN, OTHER HALF DOZEN IN A BOX



CRUSO, soft gray iron, nickel plated, highly finished.

No. 11—Cruso, length 3 in., w't 4½ oz., per dozen\$2.00

ONE DOZEN IN A BOX



CRUSO, soft gray iron, nickel plated highly finished.

No. 12—Cruso, length 3½ in., w't 13½ oz., per dozen.....\$3.00

ONE DOZEN IN A BOX

CHALK LINE REELS.



Beechwood.

Nos.	12	199
Length, in.	3	3½
Diam., in.	2	2½
W't, doz., lbs.	1	2½
Per dozen	\$1.40	1.60

THREE DOZEN IN A BOX



No. 14—Beechwood, length 3 in., diam. 2 in., with steel scratch awl, w't per doz. 1½ lbs.per dozen \$3.00

ONE DOZEN IN A BOX

CARPENTERS' CHALK.



No. 77—Package contains 3 cakes of blue and 1 cake of white to retail at 10 cents per package, w't per case 45 lbs.,

per gross packages\$16.00

ONE GROSS PACKAGES IN A CASE



No. 5 CYS—White, hemispherical, per gross\$3.10

No. 3 CYS—Red, hemispherical, per gross\$3.70

No. 4 CYS—Blue, hemispherical, per gross\$3.70

HANDLED BRAD AWLS



Blades are securely fastened in handle.

No. 70 CYS—Tool steel spring tempered blades, polished and stained handle, nickel plated ferrule, sizes $\frac{3}{32}$, $\frac{1}{16}$ and $\frac{1}{8}$ in., assorted, w't per doz. 1 lb., per dozen\$2.70

ONE DOZEN IN A BOX

SCRATCH AWLS



No. 2—Beech handles, brass ferrule, polished steel point, length 6½ in., w't per doz. 1½ lbs., per dozen\$1.30

ONE DOZEN IN A BOX



Enameled handle, brass ferrule, steel wire point.

Nos.	100	200
Point, Ga. No.	9	6
Length, in.	5½	6½
W't, doz. lbs.	1½	1½
Per dozen	\$3.40	3.40

ONE DOZEN IN A BOX



No. 1 RVSNC—Beech handle, socket forged steel point, 5 in., w't per doz. 2 lbs.per dozen \$5.40

ONE DOZEN IN A BOX



No. 6—Hurwood, ebonized handle, polished steel ferrule, cast steel tempered point running through handle and headed, length 5½ in., w't per doz. 1½ lbs., per dozen\$5.50

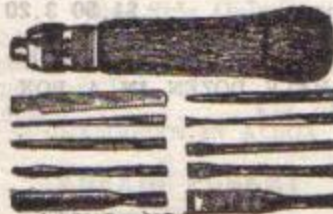
ONE DOZEN IN A BOX

TOOL HANDLES WITH TOOLS



No. 11 CYS—Cocobola handle, length 6 in., nickel plated chuck, holds square, flat or triangular shanks, 10 cast steel tools contained in handle—2 chisels, 2 screw drivers, 1 reamer, 1 gouge, 1 gimlet bit, 3 awls, w't per doz. 8 lbs.per dozen \$30.00

ONE IN A BOX



No. 2 CYS—Cocobola handle, length 7 in., nickel plated chuck, holds square, flat or triangular shanks, 10 cast steel tools contained in handle—1 saw, 1 gouge, 1 three-cornered file, 2 screw drivers, 2 awls, 1 gimlet bit, 1 reamer, 1 chisel—w't per doz. 12 lbs.per dozen \$36.00

ONE IN A BOX



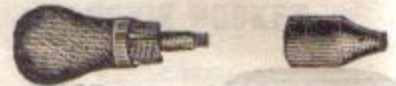
Nickel plated knurled steel handle, case hardened four jaw chuck for either round or square shank drills.

No. 10 CYS—Length 6 in., for tools $\frac{1}{16}$ to $\frac{3}{16}$ in. in diameter—10 tools contained in handle—2 chisels, 2 screw drivers, 1 reamer, 1 gouge, 1 gimlet bit and 3 awls—w't per doz. 8 lbs., per dozen \$40.00

No. 15 CYS—Length 4½ in., for drills $\frac{1}{16}$ to $\frac{1}{4}$ in. in diam., 12 steel tools contained in handle, 1 chisel, 1 screw driver, 1 reamer, 1 tack claw, 1 pegging awl, 1 marking awl and 6 brad awls, w't per doz. 4 lbs., per dozen\$32.00

ONE IN A BOX

TOOL HANDLES WITH TOOLS



No. 44—Cocobola handle, length 4½ in., nickel plated cap, 12 tool steel tools—1 chisel, 1 screw driver, 1 reamer, 1 tack puller, 1 pegging awl, 1 marking awl, 6 brad awls—w't per doz. 3 lbs.per dozen \$17.50

HALF DOZEN IN A BOX



Length 6 in., nickel plated thumb nut, 10 cast steel tools, contained in handle—1 gouge, 1 chisel, 1 tack puller, 1 screw driver, 5 awls, 1 gimlet.

No. 50 RVSNC—Cocobola Handle, w't per doz. 4½ lbs., per dozen\$19.50

No. 40 RVSNC—Maple handle, w't per doz. 4 lbs.per dozen \$13.50

HALF DOZEN IN A BOX

PEG AWLS



No. 16—Patent, extra cast steel, assortedper gross \$3.80

ONE GROSS IN A BOX

HARNESS AWLS



No. 12—Patent, extra cast steel, assortedper gross \$7.20

ONE GROSS IN A BOX

SEWING AWLS



No. 4—Patent, extra cast steel, assortedper gross \$7.20

ONE GROSS IN A BOX

PEG AWL HAFTS



No. 6—Patent, hickory, leather top, with screw, nut and wrench, w't per doz. 2½ lbs. per dozen \$3.30
ONE DOZEN IN A BOX



STANLEY'S.

No. 6X—Selected hickory, specially finished, leather top, fitted with a 4 jaw chuck and knurled locking nut, w't per doz. 2½ lbs., per dozen \$4.80
ONE DOZEN IN A BOX

SEWING AWL HAFTS



No. 6½—Patent, applewood, with screw, nut and wrench, w't doz., 1½ lbs. per dozen \$3.30
ONE DOZEN IN A BOX

SOCKET FIRMER CHISEL HANDLES



REVONOC Hickory, Iron Ring.
Nos. 35 36 37 38
For chisels, inches 1to½ 1to¾ 1to1 1to2
Per dozen \$2.00 2.00 2.00 2.00
ONE DOZEN IN A BOX



REVONOC hickory, leather head, polished.
Nos. 19 22 23 24
For chisels, inches 1to½ 1to¾ 1to1 1to2
Per dozen \$2.20 2.20 2.20 2.20
ONE DOZEN IN A BOX

FILE HANDLES



No. 43—Malleable iron, japanned, adjustable clamp, securely holds files of all sizes, brad awls etc., w't per doz. 4½ lbs. \$3.00
ONE DOZEN IN A HINGED COUNTER DISPLAY BOX

FILE HANDLES



Soft Wood, Brass Ferrule.

No. 45—Lockjaw, beechwood, brass ferrule, assorted, w't per doz. 1½ lbs. per dozen \$1.60
THREE DOZEN IN A BOX



DOCTOR

"Non-Splittable" and will outwear many of the short ferruled handles.

The ferrule is made of heavy pressed steel, enlarged at the head, and having an inwardly returned, curved, sharp-edged lip, which firmly locks the wooden portion within the enlarged end of the ferrule, when driven into place.

The wooden section is shaped correctly to fit the hand and has a taper-bored hole allowing file to be held firmly in place.

Nos.	180	181	182
For files, in. 4 to 6	6 to 10	10 to 14	
W't, doz., lbs. ¾	1½	1½	
Per dozen ..	\$1.00	1.10	1.30
Nos.	183	184	
For files, in.	14 to 18	18 to 20	
W't per doz., lbs.	2½	2½	
Per dozen ..	\$1.50	1.70	

LOOSE



NICKOLSON'S, selected birchwood, carefully smoothed and shellacked, heavy brass ferrule, swaged and spun on handle.

Nos.	0	1	2
For files, in.	14	12	10
W't per doz., lbs.	2½	2	1½
Per dozen ..	\$2.80	2.50	2.10
Nos.	3	4	
For files	8	6	
W't per doz., lbs.	1	¾	
Per dozen ..	\$1.75	1.40	

ONE DOZEN IN A BOX



Soft Basswood Kiln dried sanded smooth, long ferrule fitted tight. Will not split from use, wears longer and holds tighter to the tang.

SHORT FERRULE

Nos. 81	82	83	84	85
Length, in. . . 3½	4	4½	4¾	5
For size of files 4&6	6&8	8&10	12&14	16&18
W't, gro., lbs. 8½	10	13½	16½	20½
Doz. \$0.30	.30	.40	.45	.50

LOOSE

CHISEL HANDLES



REVONOC Socket Firmer Butt.
Hickory, leather head, polished, w't per doz. 1½ lbs.
Nos. 43 44 49
For chisels, in. 1to½ 1to¾ 1to2
Per dozen \$2.00 2.00 2.00



Socket Framing.

Hickory, iron ring, w't per doz. 2½ lbs.
Nos. 30 31 32
For chisels, in. 1to½ 1to¾ 1to2
Per dozen \$1.60 1.60 1.60
Hickory, heavy, iron ring, w't per doz. 3½ lbs.
Nos. 33 34
For chisels, in. 1to½ 1to¾ 1to2
Per dozen \$1.60 1.60



REVONOC Socket Framing.

Hickory, leather head, polished, w't per doz. 1½ lbs.
Nos. 26 27 28
For chisels, inches 1to½ 1to¾ 1to2
Per dozen \$2.50 2.50 2.50

TANGED CHISEL HANDLES



REVONOC hickory, polished leather head, heavy brass ferrule, w't per doz. about 2 lbs.
Nos. 15 16 17 18
For chisels, in. 1to½ 1to¾ 1to1 1to2
Per dozen \$3.00 3.00 3.00 3.00



REVONOC hickory, iron ring, brass ferrule, w't per doz. about 2½ lbs.
Nos. 39 40 41 42
For chisels, in. 1to½ 1to¾ 1to1 1to2
Per dozen \$2.60 2.60 2.60 2.60



REVONOC butt, hickory, polished leather head. W't per doz. about 1½ lbs.,
Nos. 50 51 52
For chisels, in. 1to½ 1to¾ 1to2
Per dozen \$4.00 4.40 5.10



No. 145—Applewood, for No. 130 chisels, w't per doz. 2½ lbs., per dozen \$6.00
ALL ABOVE, ONE DOZEN IN A BOX

BRICK TROWEL HANDLES



Adapted to trowels with drive tang,
w't per doz. 2 lbs.

No. 72—Rose's, hard wood, steel
ferrule per dozen \$4.50

ONE DOZEN IN A BOX

AUGER HANDLES



No. 20—Peck's, adjustable hard-
wood, polished, length 18 in., w't per
per doz. 12 lbs. per dozen \$12.00

HALF DOZEN IN A PACKAGE



No. 3—Rogers', adjustable, malle-
able iron, japanned, hickory handles,
riveted, length 16 in., w't per doz.
17 lbs. per dozen \$22.00

QUARTER DOZEN IN A BOX



Ratchet.

No. 4—Pratt's, white hickory han-
dles, nickel plated nut, chuck and
ratchet, japanned head, length
16 in., w't per doz. 36 lbs.,
per dozen \$72.00

ONE IN A BOX



Common Hickory.

No. 1—Assorted sizes, length 13 to
15½ in., w't per doz. 6½ lbs.,
per dozen \$2.00

PLANE HANDLES



No. 48—Beech, plain,
for jack planes,
w't per doz. 3 lbs.,
per dozen .. \$3.00

ONE DOZEN IN A PACKAGE

No. 49—Beech, plain,
for fore or jointer
planes, w't per
doz. 4 lbs.,
per dozen .. \$4.00



ONE DOZEN IN A PACKAGE



No. 51—Beech, var-
nished, for Nos.
26, 27, 28, 29, 30,
31, 32, 33 and 34
Bailey's wood
planes, w't per
doz. 1½ lbs.,
per dozen .. \$4.20

ONE DOZEN IN A PACKAGE

No. 52—Rosewood,
varnished, for Nos.
4½, 5, 5½, 6, 7 and
8 Bailey's flat and
corrugated iron
planes, w't per doz.
1½ lbs.,
per dozen .. \$8.00



ONE DOZEN IN A PACKAGE

Carry a line of
goods upon which
you can rely.

The dealer who
carries H. S. B. &
Co. Brands marks
his store as a place
where the better
goods are sold.

A house with over
sixty-seven years'
experience stands
back of our brands.

SAW HANDLES



NOT BORED

No. 04—Panel, beech, varnished
edges, w't per doz. 4 lbs.,
per dozen \$4.40

No. 066—Hand, beech, plain edges,
w't per doz. 6 lbs., per dozen \$4.60

No. 66—Hand, beech, varnished edges,
w't per doz. 6 lbs., per dozen \$5.00

No. 051—Hand, apple wood, for D8
26 in. saws per dozen \$13.20

No. 061—Rip, apple wood, for D8-28
in. saws per dozen \$13.80

ONE DOZEN IN A BOX



Applewood, Plain, Bored.

No. 22—Panel, for No. 82, 18 and
20 in. saws per dozen \$10.50

No. 23—Panel, for No. 82, 22 and
24 in. saws per dozen \$11.00

No. 20—Hand, for No. 82, 26 in. saws,
per dozen \$12.00

No. 21—Rip, for No. 82, 28 in. saws,
per dozen \$12.60

Applewood, Varnished Edges, Bored.

No. 41—Panel, for No. D8, 18 and
20 in. saws per dozen \$ 2.00

No. 42—Panel, for No. D8, 22 in.
saws per dozen \$12.70

No. 05—Hand, for No. D8, 26 in. saws,
per dozen \$13.20

No. 06—Rip, for No. D8, 28 in. saws,
per dozen \$7.80

No. 07—Hand, for No. 75
and No. 7 Disston's saws, beech-
wood, carved and nicely varnished,
w't per doz. 5½ lbs.,
per dozen \$7.60

Applewood, Carved, Varnished and
Highly Polished, Bored.

No. 9—Panel, for Nos. 12 and 112,
18 and 20 in. saws. per doz. \$16.70

No. 7—Hand, for Nos. 12 and 112,
26 in. saws per dozen \$19.40

No. 08—Rip, for Nos. 12 and 112,
28 in. saws per dozen \$20.00

Beech, Polished, Bored.

No. 044—Pruning, for No. 44 saws,
per dozen \$5.50

WEIGHT PER DOZEN ABOUT 5 POUNDS
ONE DOZEN IN A BOX

MALLETS

TINNERS'



No. 19, thoroughly seasoned second growth hickory, selected stock, shellac finish, hardwood handle securely fitted extending through head.

Nos.	60	61
Size, in.	6x2½	6x2½
W't, doz., lbs.	11	14
Per dozen	\$6.80	7.40

ONE IN A PAPER SACK

No. 20C, seasoned second growth hickory, standard stock. Paraffine oil finish, securely fitted with hardwood handle extending through head.

Nos.	70	71
Size, in.	6x2½	6x2½
W't, doz., lbs.	10	13
Per dozen	\$5.40	6.20

LOOSE



No. 20—Cruso, hardwood, 5x2 to 2½ in., w't per doz. 10 lbs., doz. \$2.70

LOOSE

TINNERS' FIBRE



No. 20C, best fibre, wound in successive layers with film of waterproof cement between. Handle polished white hickory and mallets have coat of shellac.

Nos.	102	103	104
Size, in.	2x4	2½x4½	2½x5½
W't, doz., lbs.	6	12	17
Per dozen	\$11.30	12.30	15.40

LOOSE

CARPENTERS'



No. 21, thoroughly seasoned second growth hickory selected stock, shellac finish, extending through head.

Nos.	62	63
Size, in.	6x2½	6½x3
W't, doz., lbs.	3	3½
Per dozen	\$11.20	12.50

ONE IN A PAPER SACK

No. 22, seasoned second growth hickory, standard stock. Paraffine oil finish, securely fitted with hardwood handle extending through head.

Nos.	72	73
Size, in.	6x2½	6x3
W't, doz., lbs.	3	3½
Per dozen	\$7.80	8.50

LOOSE

CARPENTERS' ROUND



Hardwood.

No. 25—Cruso, 6x2½ to 2½ in., w't per doz. 14 lbs.per dozen \$3.60

No. 25½—6x3 in., w't per doz. 15 lbs., per dozen\$4.40

LOOSE



Hardwood.

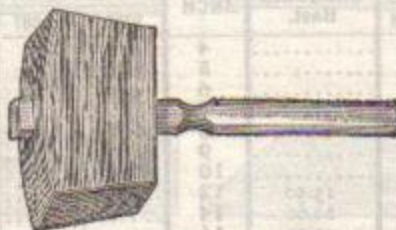
No. 30—6x3½ in., w't per doz. 18 lbs., per dozen\$10.00

Lignumvitae.

Nos.	35	36
Size, in.	5½x3½	6x3½
W't, doz., lbs.	28	44
Per dozen	\$19.80	24.00

LOOSE

CARPENTERS' SQUARE



No. 40—Hickory, 6½x2½x3½ in., w't per doz. 21 lbs. ...per dozen \$13.50

Lignumvitae.

Nos.	45	46
Size, in.	6x2½x3½	6½x3½x3½
W't, doz., lbs.	32	40
Per dozen	\$22.80	28.90

LOOSE

HARD RUBBER



Hard Rubber Head, Hickory Handle.

Nos.	6	7	8
Size, in.	3x2	4x2½	5x2½
W't, doz., lbs.	12½	15	29
Per dozen	\$12.00	16.00	23.00

LOOSE

RAWHIDE



Rawhide head, nicely varnished hickory handle.

Nos.	2	3	4	5
Size, in.	3x1½	3½x1½	3½x2	4½x2½
W't, doz., lbs.	4	5½	7½	16
Per dozen	\$18.00	20.80	26.40	58.40

LOOSE

FIBRE HEAD



Beech, fibre head, polished steel ferrules screw handle.

Nos.	12	12½
Size, in.	4½x2	5½x2½
W't, doz., lbs.	15	21
Per dozen	\$30.00	33.80

LOOSE

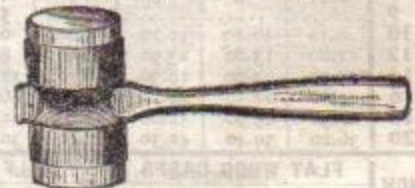
IRON RING



No. 50—Wood faced, mortised, 4½x2 in., w't per doz. 31 lbs., per dozen\$24.40

LOOSE

IRON SOCKET



No. 51—Heavy malleable iron socket, hickory ends, 5½x2½ in., w't per doz. 44 lbs.per dozen \$41.00

LOOSE

IRON BOUND



Hickory.

No. 52—Size 5½x3 in., w't per doz. 23 lbs.per dozen \$33.00

LOOSE

PRICE LIST OF FILES AND RASPS

LIST OF NOV. 1, 1899 As Adopted by the File Manufacturers Association of the United States, Nov. 1, 1899. PRICE PER DOZEN
(REVISED AND REPRINTED AUGUST 1, 1918.)

MILL				MILL 1 R. E.				MILL 2 R. E.				INCH	MILL BLUNT		MILL BLT. 1 R. E.		MILL BLT. 2 R. E.		MILL BLUNT HEAVY		
INCH	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	BAST.	2d CUT	BAST.	2d CUT	BAST.	2d CUT		BAST.	2d CUT	BAST.	2d CUT	2 Sq. E.	1 R. E.	2 R. E.		
4	3.00							4													
5	3.20							5													
6	3.50	4.00	4.50	3.90	4.50	4.40	5.00	6	3.90	4.60	4.40	5.20	4.90	5.80							
7	3.90	4.60	4.90	4.40	5.20	4.90	5.80	7	4.30	4.90	4.80	5.50	5.40	6.10							
8	4.30	4.90	5.40	4.80	5.50	5.40	6.10	8	4.90	5.80	5.50	6.30	6.10	7.30	5.80	6.50	7.30				
9	4.90	5.80	6.30	5.50	6.50	6.10	7.30	9	5.60	6.40	6.30	7.20	7.00	8.00	6.40	7.20	8.00				
10	5.60	6.40	7.00	6.30	7.20	7.00	8.00	10	6.70	7.80	7.50	8.80	8.40	9.80	7.80	8.80	9.80				
12	7.50	8.60	9.40	8.40	9.70	9.40	10.80	12	9.40	10.70	10.60	12.00	11.80	13.40							
14	10.70	12.20	13.10	12.00	13.70	13.40	15.30	14													
16	14.70	16.80	17.90					16													
18	20.20							18													

INCH	TAPERS		HANDSAW BLUNT	SLIM TAPER	EXTRA SLIM TAPER	TAPER HEAVY	BANDSAW		INCH	BANDSAW BLUNT SLIM	BANDSAW TAPER HEAVY	HANDSAW HEAVY BLUNT	DOUBLE ENDER	PIT SAW	CANT SAW	CROSS CUT	HOOK TOOTH
	Sgl. Cut	Dbl. Cut					TAPER	BLUNT									
3	2.10	2.50		2.10		2.10			3								
3½	2.10	2.50		2.10		2.10			3½			2.60		4.80			
4	2.20	2.90	2.60	2.20	2.20	2.20	2.90	2.90	4			3.00		5.40			
4½	2.40	3.10	3.00	2.30	2.30	2.40	3.10	3.10	4½			3.40		5.40			
5	2.60	3.50	3.40	2.50		2.60	3.50	3.50	5		3.50	3.40		6.10			
5½	3.00			2.90		3.00			5½	4.00				6.10			
6	3.40	4.70	4.30	3.10	3.10	3.40	4.70	4.70	6	3.99	4.70			6.10	5.40		
7	4.30	5.60	5.40	3.80	3.80	4.30	5.60	5.60	7		5.60		3.50				
8	5.40	6.70	6.60	4.50	4.50	5.40	6.70	6.70	8	5.30	6.70		3.90	7.50	6.40	7.50	8.30
9									9				4.40				
10	8.10			6.40		8.10			10				4.70		8.70	9.10	10.10
12	12.50			9.50					12		9.70						

INCH	FLAT			HAND			INCH	PILLAR			SQUARE			THREE SQUARE			INCH
	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH		BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	
4	3.70	4.30	4.70	3.70	4.30	4.80	4				3.80	4.60	4.90	4.80	5.60	6.10	4
5	3.90	4.66	4.90	3.90	4.70	5.30	5				4.10	4.80	5.30	5.40	6.10	6.40	5
6	4.30	4.80	5.30	4.30	5.10	5.60	6	4.30	5.10	5.60	4.60	5.10	5.50	6.10	6.70	7.10	6
7	4.80	5.50	6.10	4.90	5.80	6.30	7				5.10	5.80	6.30	7.00	7.70	8.20	7
8	5.30	6.10	6.60	5.40	6.30	6.70	8	5.40	6.30	6.70	5.50	6.30	7.00	7.50	8.30	8.90	8
9	6.30	7.20	7.90	6.70	7.80	8.30	9				7.40	8.50	9.10	9.10	10.10	10.70	9
10	7.00	8.10	8.70	7.50	8.70	9.40	10	7.50	8.70	9.40	7.40	8.50	9.10	9.10	10.10	10.70	10
11	8.60						11										11
12	9.70	11.00	12.10	10.70	12.30	13.50	12	10.70	12.30	13.50	10.20	11.50	12.80	11.80	13.00	13.90	12
13	11.80						13										13
14	13.30	15.30	16.70	15.00	17.00	18.20	14	15.00	17.00	18.20	13.90	16.10	17.50	15.50	17.00	18.30	14
16	17.80	20.10	22.30	20.10	22.80	24.20	16	20.10	22.80	24.20	18.70	21.20	23.30	20.60	22.50	24.20	16
18	23.90	26.80	29.20	26.80	29.90	31.50	18				25.10	28.20	30.40	27.50	29.90	32.00	18
20	31.50	35.70	38.70	35.10	39.20	41.60	20				32.80	36.70	39.30	36.20	39.40	42.70	20

INCH	HALF ROUND			ROUND			CROSSING BAST.	INCH	WARDING			KNIFE			PLANER KNIFE	INCH
	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH			BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH		
4	4.80	5.60	6.10	3.00	3.50	3.90		4	4.00	4.80	5.40	5.40	6.10	6.40		4
5	5.40	6.10	6.40	3.20	3.80	4.10		5	4.50	5.30	5.80	6.10	6.70	7.10		5
6	6.10	6.70	7.10	3.50	4.00	4.50		6	4.90	5.90	6.40	6.90	7.50	7.90		6
7	7.00	7.70	8.20	3.90	4.60	4.90		7								7
8	7.50	8.30	8.90	4.30	4.90	5.40		8	6.40	7.50	8.20	8.50	9.10	9.50	6.40	8
9				4.90	5.80	6.30		9								9
10	9.10	10.10	10.70	5.60	6.40	7.00		10	8.70	10.10	11.00	10.10	11.50	12.30	8.60	10
12	11.80	13.00	13.90	7.50	8.60	9.40	15.50	12				13.70	15.20	16.10		12
14	15.50	17.00	18.30	10.70	12.20	13.10	20.60	14								14
16	20.60	22.50	24.20	14.70	16.80	17.90	27.50	16								16
18	27.50	29.90	32.00	20.20	22.70	24.30		18								18
20	36.20	39.40	42.30	27.40	30.70	32.90		20								20

INCH	FLAT WOOD RASPS			HALF ROUND WOOD RASPS			INCH	CABINET RASPS		CABINET FILES	SHOE RASPS		INCH
	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH		2d CUT	SMOOTH		FLAT	HF. RD.	
6				8.10	9.30	10.10	6	10.10	11.70	8.10			6
8				10.10	12.20	13.70	8	12.80	15.50	10.10	10.10	10.10	8
9	9.40	11.40					9				12.20	12.20	9
10				13.70	16.80	18.70	10	17.50	20.70	13.70	13.70	13.70	10
12				18.70	22.40	24.80	12	22.80	26.80	18.70			12
14	23.20	27.80		24.80	29.70	32.90	14	29.60	33.90	24.80			14
16	30.80	36.20		32.90	38.90	41.60	16						16

INCH	HORSE RASPS PLAIN			HORSE RASPS PLAIN SLIM			INCH	TANGED		TANGED SLIM		TANGED THIN	INCH
	1/2 FILE	3/4 FILE	REVERSE	1/2 File	3/4 File								
12	12.80	14.40					12	16.80			1.531" x .270"	16.00	12
13							13	19.60			1.594" x .275"	18.20	13
14	17.80	20.10	17.80				14	23.10	14" from 12"	21.90	1.750" x .280"	21.90	14
15			20.90				15						15
16	24.40	27.50	24.40	16" from 14"	21.50	24.60	16	32.20	16" from 14"	29.70	1.875" x .290"	29.70	16
18	32.90	36.20		18" from 15"	25.90	28.50	18						18

THE ABOVE LIST COMPRISES ALL OF THE KINDS, SIZES AND CUTS OF FILES THAT WILL BE REGULARLY CARRIED IN STOCK. ANYTHING DIFFERING FROM THESE FILES WILL BE CONSIDERED AS SPECIAL AND WILL NOT BE MANUFACTURED EXCEPT IN CASE OF URGENT NECESSITY AND WHEN MANUFACTURED PRICE WILL BE BASED STRICTLY UPON COST OF MATERIAL AND COST OF MANUFACTURE AT TIME GOODS ARE MADE.
ROSE TOOLS, INC.

SECTIONS OF **CYB** FILES IN GENERAL USE

Cuts represent practically the full size of the various shapes and length.

Mill Bastards.

Flat Bastards.

Half Round.

Round.

Square.

4 IN.

4 IN.

4 IN.

4 IN.

4 IN.

5 IN.

5 IN.

5 IN.

5 IN.

5 IN.

6 IN.

6 IN.

6 IN.

6 IN.

6 IN.

8 IN.

8 IN.

8 IN.

8 IN.

8 IN.

10 IN.

10 IN.

10 IN.

10 IN.

10 IN.

12 IN.

12 IN.

12 IN.

12 IN.

12 IN.

14 IN.

14 IN.

14 IN.

14 IN.

14 IN.

16 IN.

16 IN.

16 IN.

16 IN.

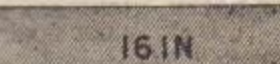
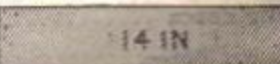
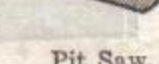
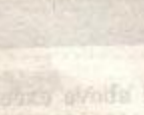
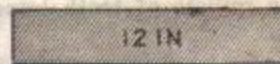
16 IN.

Regular Taper.

Great American.

Cant Saw or Lightning.

Horse Rasps.



MILL BASTARD FILES



Taper in width and thickness from near center to point. Single cut. Principally used for sharpening mill saws, machine knives, etc., also in machine shops for lathe work, draw-filing, etc.

Length, in.	3	4	5	6	7	8
W't per doz., lbs.	1 1/2	1 1/2	2	1 1/2	2 1/2	3
ONE , per dozen.....	\$3.00	3.00	3.20	3.50	3.90	4.30
Hibbard, per dozen	3.00	3.20	3.50	3.90	4.30	
Nicholson's, per dozen..	3.00	3.00	3.20	3.50	3.90	4.30
American, per dozen	3.00	3.20	3.50	3.90	4.30	
Black Diamond, per dozen ..			3.50		4.30	

Length, in.	9	10	12	14	16
W't per doz., lbs.....	3 1/2	6	10	14	21
ONE , per dozen	\$4.90	5.60	7.50	10.70	14.70
Hibbard, per dozen	5.60	7.50	10.70	14.70	
Nicholson's, per dozen	4.90	5.60	7.50	10.70	14.70
American, per dozen.....	4.90	5.60	7.50	10.70	14.70
Black Diamond, per dozen	5.60	7.50			

~~ONE~~ 3 TO 7 IN., NICHOLSON'S AND NEW AMERICAN 3 TO 10 IN., ONE DOZEN IN A BOX—OTHERS HALF DOZEN IN A BOX

MILL BASTARD FILES, WITH ONE ROUND EDGE



Similar to MILL FILE but with one edge made round. Single cut. The round edge prevents the filing of sharp corners in gullets of teeth lessening the liability of saws cracking.

Length, in.	8	10	12
W't per doz., lbs.	3	6	10
ONE , per dozen	\$4.80	6.30	8.40
Hibbard, per dozen	4.80	6.30	8.40
Nicholson's, per dozen	4.80	6.30	8.40

~~ONE~~ HALF DOZEN, NICHOLSON'S 8 TO 10 IN., ONE DOZEN—12 IN. HALF DOZEN IN A BOX

Weights on files are for ~~ONE~~, Weights on other files are approximately the same.

FLAT BASTARD FILES



Same as Flat Second Cut below except coarser teeth.

Length, in.	4	5	6	8	10	12	14	16
W't doz., lbs.	1 1/2	1 1/2	1 1/2	4	6 1/2	13	20	28
ONE , per doz.	\$3.70	3.90	4.30	5.30	7.00	9.70	13.30	17.50
Hibbard, per doz.			4.30	5.30	7.00	9.70	13.30	17.50
Nicholson, per doz.	\$3.70	3.90	4.30	5.30	7.00	9.70	13.30	17.50
American, per doz.	\$3.70	3.90	4.30	5.30	7.00	9.70	13.30	17.50

4 TO 8 IN. ONE DOZEN, OTHERS HALF DOZEN IN A BOX

HAND BASTARD FILES



Made tapering in thickness and parallel in width. Double cut, with one edge safe (no teeth). Used by machinists and engineers for finishing flat surfaces, etc.

Length, in.	8	10	12	14
W't per doz., lbs.	5 1/2	10	17	24
ONE , per dozen	\$5.40	7.50	10.70	15.00

8 IN. ONE DOZEN, OTHERS HALF DOZEN IN A BOX

FLAT SECOND CUT FILES

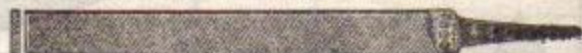


Taper in width and thickness. Double cut. Largely used by machinists and other mechanics for general work.

Length, in.	6	8	10	12	14	16
W't doz., lbs.	3 1/2	4	8	12	20	29
ONE , per dozen..	\$4.80	6.10	8.10	11.00	15.30	20.10
Nicholson's, per dozen	6.10	8.10	11.00	15.30		

6 TO 10 IN. ONE DOZEN, OTHERS HALF DOZEN IN A BOX

HAND SMOOTH FILES



Same as Hand Bastard above except finer cut.

Length, in.	8	10	12	14
W't per dozen, lbs.	5	9	14	22
ONE , per dozen	\$6.70	9.40	13.50	18.20

8 IN. ONE DOZEN, OTHERS HALF DOZEN IN A BOX

FLAT SMOOTH FILES



Same as Flat Second Cut on page 87 except finer cut.

Length, in.	5	6	8	10	12	14
W't doz., lbs.	1	2	4	7½	12	20
Hubbard , dozen	<u>\$4.90</u>	<u>5.30</u>	<u>6.60</u>	<u>8.70</u>	<u>12.10</u>	<u>16.70</u>
Nicholson's , doz...	<u>4.90</u>	<u>5.30</u>	<u>6.60</u>	<u>8.70</u>	<u>12.10</u>	<u>16.70</u>
American , dozen	<u>5.30</u>	<u>6.60</u>	<u>8.70</u>	<u>12.10</u>	<u>16.70</u>	

4 TO 8 IN. ONE DOZEN, OTHERS HALF DOZEN IN A BOX

HALF ROUND BASTARD FILES



Taper to the point from about two-thirds of its length. Double cut. Makes it one of the most useful files for machine shop work.

Length, in.	4	5	6	8	10	12	14	16
W't doz., lbs.	1½	1½	1½	3½	6½	11	19	27

Hubbard , per doz.	<u>\$4.80</u>	<u>5.40</u>	<u>6.10</u>	<u>7.50</u>	<u>9.10</u>	<u>11.80</u>	<u>15.50</u>	<u>20.60</u>
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Nicholson's , per doz.	<u>4.80</u>	<u>5.40</u>	<u>6.10</u>	<u>7.50</u>	<u>9.10</u>	<u>11.80</u>	<u>15.50</u>	<u>20.60</u>
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American , per doz.	<u>4.80</u>	<u>5.40</u>	<u>6.10</u>	<u>7.50</u>	<u>9.10</u>	<u>11.80</u>	<u>15.50</u>	<u>20.60</u>
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4 TO 8 IN. ONE DOZEN, OTHERS HALF DOZEN IN A BOX

WARDING BASTARD FILES



A very thin file tapering toward and on the point. Double cut. Used for slotting work by jewelers, machinists, and by locksmiths for filing slots or ward notches in keys.

Length, in.	3	4	5	6
W't per doz., lbs.	½	¾	1	1

Hubbard , per dozen	<u>\$4.00</u>	<u>4.00</u>	<u>4.50</u>	<u>4.90</u>
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Nicholson's , per dozen	<u>4.00</u>	<u>4.50</u>	<u>4.90</u>	
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American , per dozen	<u>4.00</u>	<u>4.50</u>	<u>4.90</u>	
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ONE DOZEN IN A BOX

KNIFE BASTARD FILES



Shaped V style similar to knife blade. Double cut. Used on special forms for which its shape is particularly adapted, die work, etc., having acute angles.

Length, in.	4	5	6
W't per doz., lbs.	1	1	1½

Hubbard , per dozen	<u>\$5.40</u>	<u>6.10</u>	<u>6.90</u>
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Nicholson's , per dozen	<u>5.40</u>	<u>6.10</u>	<u>6.90</u>
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American , per dozen	<u>5.40</u>	<u>6.10</u>	<u>6.90</u>
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ONE DOZEN IN A BOX

Weights on files are for **Hubbard**. Weights on other files are approximately the same.

ROUND BASTARD FILES



Taper short distance toward and on the point. Double cut. Sometimes called Rat Tail Files. Used in general for gulleting, enlarging holes, etc.

Length, in.	4	5	6	8	10	12	14	16
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Dia., widest part	¾	1	1½	2	3	4	5	6
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W't doz., lbs.	1	1	1	2	3½	8	14	23
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Hubbard , doz.	<u>\$3.00</u>	<u>3.20</u>	<u>3.50</u>	<u>4.30</u>	<u>5.60</u>	<u>7.50</u>	<u>10.70</u>	<u>14.70</u>
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Nicholson's , per doz.	<u>3.00</u>	<u>3.20</u>	<u>3.50</u>	<u>4.30</u>	<u>5.60</u>	<u>7.50</u>	<u>10.70</u>	<u>14.70</u>
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American , per doz.	<u>3.00</u>	<u>3.20</u>	<u>3.50</u>	<u>4.30</u>	<u>5.60</u>	<u>7.50</u>	<u>10.70</u>	<u>14.70</u>
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4 TO 10 IN. ONE DOZEN, OTHERS HALF DOZEN IN A BOX

SQUARE BASTARD FILES



Taper short distance toward and on the point. Double cut. Used by most all classes of mechanics for filing apertures dressing out square corners etc.

Length, in.	4	5	6	8
W't doz., lbs.	1	1	1	2

Hubbard , per dozen	<u>\$3.80</u>	<u>4.10</u>	<u>4.60</u>	<u>5.50</u>
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Nicholson's , doz.	<u>3.80</u>	<u>4.10</u>	<u>4.60</u>	<u>5.50</u>
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American , per dozen	<u>3.80</u>	<u>4.10</u>	<u>4.60</u>	<u>5.50</u>
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Length, in.	10	12	14	16
W't doz., lbs.	4	9	16	28

Hubbard , per dozen	<u>\$7.40</u>	<u>10.20</u>	<u>13.90</u>	<u>18.70</u>
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Nicholson's , doz.	<u>7.40</u>	<u>10.20</u>	<u>13.90</u>	<u>18.70</u>
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American , per dozen	<u>7.40</u>	<u>10.20</u>	<u>13.90</u>	<u>18.70</u>
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4 TO 10 IN. ONE DOZEN, OTHERS HALF DOZEN IN A BOX

HALF ROUND SECOND CUT FILES



Same as Half Round Bastard except teeth are finer.

Length, in.	6	8	10	12	14
W't per doz., lbs.	1½	3	7	11	18

Hubbard , per dozen	<u>\$6.70</u>	<u>8.30</u>	<u>10.10</u>	<u>13.00</u>	<u>17.00</u>
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Nicholson's , per dozen	<u>6.70</u>	<u>8.30</u>	<u>10.10</u>	<u>13.00</u>	<u>17.00</u>
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6 TO 10 IN. ONE DOZEN, OTHERS HALF DOZEN IN A BOX

HALF ROUND SMOOTH FILES



Same as Half Round Bastard except teeth are finer.

Length, in.	5	8	10
W't doz., lbs.	1½	3½	7

Hubbard , per dozen	<u>\$7.10</u>	<u>8.90</u>	<u>10.70</u>
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Nicholson's , per dozen	<u>7.10</u>	<u>8.90</u>	<u>10.70</u>
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Length, in.	12	14	16
W't doz., lbs.	12	18	25

Hubbard , per dozen	<u>\$13.90</u>	<u>18.30</u>	<u>24.20</u>
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Nicholson's , per dozen	<u>13.90</u>	<u>18.30</u>	<u>24.20</u>
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4 TO 8 IN. ONE DOZEN, OTHERS HALF DOZEN IN A BOX

HALF ROUND CABINET FILES



These are Half Round in shape, but slightly wider and thinner and have finer teeth than Half Round Wood Files. Double cut. Used for finer work in Cabinet making and Woodworking.

Length, in.	8	10	12	14
W't per doz., lbs.—	3	6	9	15
per dozen	\$10.10	13.70	18.70	24.80
Nicholson's, per dozen	10.10	13.70	18.70	24.80
American, per dozen	10.10	13.70	18.70	24.80

8 IN., ONE DOZEN, OTHERS HALF DOZEN IN A BOX

HALF ROUND SHEAR TOOTH OR BABBIT FILES



Similar in shape to the regular Half Round Files, with teeth special. Single cut, being much coarser and deeper than ordinary. Adapted for quick cutting on soft steel, iron, brass castings, wood, marble, and especially for machinists. Makes a "shear cut", rapid, clean and smooth.

Length, in.	12	14
W't per doz., lbs.	11	16
Per dozen	\$11.80	15.50

HALF DOZEN IN A BOX

HALF ROUND CABINET RASPS



Half Round in form, slightly wider and thinner and given finer teeth than Half Round Wood Rasps. Used by Cabinet Makers and Woodworkers.

Length, in.	8	10	12	14
W't per doz., lbs.—	3	7	11	16
per dozen	\$12.80	17.50	22.80	29.60
Hibbard, per dozen	12.80	17.50	22.80	29.60
Nicholson's, per dozen	12.80	17.50	22.80	29.60
American, per dozen	12.80	17.50	22.80	29.60

8 IN., ONE DOZEN, OTHERS HALF DOZEN IN A BOX

HALF ROUND WOOD RASPS



The form of this Rasp, half round one side, flat on the other, permits its use on a great variety of work. Employed by Wheelwrights, Carriage Builders, Plumbers, Cabinet, Saddle-Tree, Patterns, Last Makers, Gunstock Makers and Woodworkers generally.

Length, in.	8	10	12	14
W't per doz., lbs.—	3 3/4	7	12	18
per dozen	\$10.10	13.70	18.70	24.80
Hibbard, per dozen	10.10	13.70	18.70	24.80
Nicholson's, per dozen	10.10	13.70	18.70	24.80
American, per dozen	10.10	13.70	18.70	24.80

HALF DOZEN IN A BOX

Weights on files are for . Weights on other files are approximately the same.

FLAT WOOD RASPS



Flat on both sides. Used by the same classes of trades as Half Round.

Length, in.	10	12	14
W't per doz., lbs.—	8	14	23
per dozen	\$12.80	17.50	23.30
American, per dozen	12.80	17.50	23.30

HALF DOZEN IN A BOX

HALF ROUND SHOE RASPS



Made with punched teeth on half of one side. Double cut teeth on other half. Cut on ends. Used by Shoemakers for filing the soles and heels of shoes.

Length, in.	6	8	10
W't per doz., lbs.—	2	4	8
per dozen	\$8.10	10.10	13.70
American, per dozen	8.10	10.10	13.70

6 IN. AND 8 IN., ONE DOZEN; 10 IN., HALF DOZEN IN A BOX

TANGED HORSE RASPS



Tanged for use with handle. Used by Horse-shoers, Farriers, Blacksmiths, etc.

Length, in.	14	16
W't per doz., lbs.	28	38
per dozen	\$23.10	32.30

PLAIN HORSE RASPS



Used by Horse-shoers etc.

Length, in.	12	14	16
W't per doz., lbs.—	15	19	29
per dozen	\$12.80	17.80	24.40
Reynolds, per dozen	12.80	17.80	24.40
narrow, length 18 in., w't per doz. 30 lbs., per dozen			\$25.00
Reynolds, narrow, length 18 in., w't per doz. 30 lbs., per dozen			\$25.00



Used by Horse-shoers etc.

Length, in.	12	14	16
W't per doz., plain	15	19	29
W't per doz., tanged		28	38
Heller Bros., plain, per dozen	\$12.80	17.80	24.40
Heller Bros., tanged, per dozen		23.10	32.30
Heller Bros., slim or narrow, length 18 in., w't per doz. 30 lbs.			per dozen \$25.00

ALL HORSE RASPS HALF DOZEN IN A BOX

SLIM TAPER SAW FILES



Similar to Regular Taper Saw Files but of a thickness between the Regular and Extra Slim Tapers. Used for filing Hand Saws and other small saws.

Length, in.	3	3½	4	4½	5
W't per doz., lbs.— 3.50	1	1½	2	2½	3
3.50 , per dozen	<u>\$2.10</u>	<u>2.10</u>	<u>2.20</u>	<u>2.30</u>	<u>2.50</u>
Hibbard, per dozen	<u>2.10</u>	<u>2.10</u>	<u>2.20</u>	<u>2.30</u>	<u>2.50</u>
Nicholson's, per dozen	<u>2.10</u>	<u>2.10</u>	<u>2.20</u>	<u>2.30</u>	<u>2.50</u>
American, per dozen	<u>2.10</u>	<u>2.10</u>	<u>2.20</u>	<u>2.30</u>	<u>2.50</u>
Length, in.	5½	6	7	8	10
W't per doz., lbs.— 3.50	1	1½	2	3	6
3.50 , per dozen	<u>\$2.90</u>	<u>3.10</u>	<u>3.80</u>	<u>4.50</u>	<u>6.40</u>
Hibbard, per dozen	<u>2.90</u>	<u>3.10</u>	<u>3.80</u>	<u>4.50</u>	<u>6.40</u>
Nicholson's, per dozen	<u>2.90</u>	<u>3.10</u>	<u>3.80</u>	<u>4.50</u>	<u>6.40</u>
American, per dozen	<u>2.90</u>	<u>3.10</u>	<u>3.80</u>	<u>4.50</u>	<u>6.40</u>

ONE DOZEN IN A BOX

EXTRA SLIM TAPER SAW FILES



Similar to Slim Tapers but of narrower stock. Adapted for filing very fine tooth saws.

Length, in.	4	4½	5	
Wt. per doz., lbs.	½	¾	1	
2.50 , per dozen	<u>\$2.20</u>	<u>2.30</u>	<u>2.50</u>	
Hibbard, per dozen	<u>2.20</u>	<u>2.30</u>	<u>2.50</u>	
Nicholson's, per dozen	<u>2.20</u>	<u>2.30</u>	<u>2.50</u>	
Length, in.	5½	6	7	8
Wt. per doz., lbs.	¾	1	1½	2
2.50 , per dozen	<u>\$2.90</u>	<u>3.10</u>	<u>3.80</u>	<u>4.50</u>
Hibbard, per dozen	<u>2.90</u>	<u>3.10</u>	<u>3.80</u>	<u>4.50</u>
Nicholson's, per dozen	<u>2.90</u>	<u>3.10</u>	<u>3.80</u>	<u>4.50</u>

ONE DOZEN IN A BOX

COMMON TAPER SAW FILES

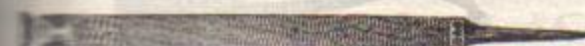


One of the most generally used and best known files made. Single cut. Used principally for filing Hand Saws and other saws.

Length, in.	4	4½	5	5½	
W't per doz., lbs.— 3.50	2	1½	1½	2	
3.50 , per dozen	<u>\$2.20</u>	<u>2.40</u>	<u>2.60</u>	<u>3.00</u>	
Hibbard's, per dozen	<u>2.20</u>	<u>2.40</u>	<u>2.60</u>	<u>3.00</u>	
Nicholson's, per dozen	<u>2.20</u>	<u>2.40</u>	<u>2.60</u>	<u>3.00</u>	
American, per dozen	<u>2.20</u>	<u>2.40</u>	<u>2.60</u>	<u>3.00</u>	
Length, in.	6	7	8	10	12
W't per doz., lbs.— 3.50	2½	3	4½	8	14
3.50 , per dozen	<u>\$3.40</u>	<u>4.30</u>	<u>5.40</u>	<u>8.10</u>	<u>12.50</u>
Hibbard's, per dozen	<u>3.40</u>	<u>4.30</u>	<u>5.40</u>	<u>8.10</u>	<u>12.50</u>
Nicholson's, per dozen	<u>3.40</u>	<u>4.30</u>	<u>5.40</u>	<u>8.10</u>	<u>12.50</u>
American, per dozen	<u>3.40</u>	<u>4.30</u>	<u>5.40</u>	<u>8.10</u>	<u>12.50</u>

ONE DOZEN IN A BOX

PIT SAW FILES



A narrow, high back, half-round shaped file. Single cut. Specially used for filing the round gullets and teeth in Pit and Round saws, or similar work.

Length, in.	6	8
W't per doz., lbs.— 3.50	2	4
3.50 , per dozen	<u>\$6.10</u>	<u>7.50</u>

ONE DOZEN IN A BOX

Weights on files are for ~~3.50~~. Weights on other files are approximately the same.

DOUBLE ENDER SAW FILES



These are also termed Reversible Tapers, being practically two files in one. Single cut. Used for the same purpose as Taper Saw Files, filing Hand Saws and smaller saws.

With Handle.

Length, in.	7	8	9	10
W't per doz., lbs.— 3.50	1½	2	2½	3½
3.50 , per dozen	<u>\$3.50</u>	<u>3.90</u>	<u>4.40</u>	<u>4.90</u>
Nicholson's, per dozen	<u>3.50</u>	<u>3.90</u>	<u>4.40</u>	<u>4.90</u>
American, per dozen	<u>3.50</u>	<u>3.90</u>	<u>4.40</u>	<u>4.90</u>

NEW AMERICAN, ONE DOZEN; OTHERS, HALF DOZEN IN A BOX

SLIM BLUNT FILES



A narrow, triangular shaped file, parallel in width, allows greater sweep or stroke. Single cut. Used for filing the firmer or smaller toothed saws.

One Handle Supplied with Every Three Files.

Length, in.	4½	5	5½	6	7
W't per doz., lbs.	1	1½	2	2½	3
Weed's Special, per dozen	<u>\$2.30</u>	<u>2.50</u>	<u>2.90</u>	<u>3.10</u>	<u>3.80</u>

ONE DOZEN (WITH FOUR HANDLES) IN A BOX

GREAT AMERICAN SAW FILES



This is a particular form of file made expressly for filing the special shaped teeth and gullets in the Great American Cross-Cut Saw. It is single cut.

For Disston's Great American Cross-Cut Saws.

Length, in.	8	10
W't per doz., lbs.— 3.50	4	6
3.50 , per dozen	<u>\$7.50</u>	<u>9.10</u>
American, per dozen	<u>7.50</u>	<u>9.10</u>

ONE DOZEN IN A BOX

NICHOLSON'S BANDSAW BLUNT SLIM FILES



Made especially for filing band saws.

Length, in.	6	8
W't per doz., lbs.— 3.50	1½	2½
Per dozen	<u>\$3.90</u>	<u>5.30</u>

ONE DOZEN IN A BOX

CANT OR LIGHTNING FILES



A three-sided file, slightly flattened in form, single cut on each side. Specially used for filing the teeth in Wood or Buck Saws and other saws having M shaped teeth.

Length, in.	6	8	10
W't per doz., lbs.— 3.50	1½	2½	5
3.50 , per dozen	<u>\$5.40</u>	<u>6.40</u>	<u>8.70</u>
Hibbard, per dozen	<u>5.40</u>	<u>6.40</u>	<u>8.70</u>
Nicholson's, per dozen	<u>5.40</u>	<u>6.40</u>	<u>8.70</u>
American, per dozen	<u>5.40</u>	<u>6.40</u>	<u>8.70</u>

ONE DOZEN IN A BOX

CORRUGATING FILES



DISSTON, 8 in. crucible steel, fine cut, carefully tempered. This file is made especially for barber's use.

No. 8—W't per doz. 4½ lbs.per dozen \$5.20
ONE DOZEN IN A BOX

NEEDLE FILES

Small, slender, extremely fine cut files, made in different forms. Used by Jewelers, Watchmakers, Die Sinkers, Tool Makers and for general superfine work.



Flat.



Square.



Three-Square.



Round.



Half-Round.



Knife.



Oval.

Disston's, assorted, 2 each, flat, square, round, half-round and oval, 1 each three-square and knife, length 5½ in., per dozen\$4.70

ONE DOZEN IN A BOX

ASSORTED DIE SINKERS' FILES



1

2

3

4

5

6

7

8

9

10

11

12

No. 1—Flat. No. 5—Three Square. No. 9—Square.
No. 2—Pippin. No. 6—Oval. No. 10—Crochet.
No. 3—Lozenge. No. 7—Warding. No. 11—Knife.
No. 4—Auriform. No. 8—Half Round. No. 12—Round.

No. 15—3½ in., one dozen assorted shapes, flat safe edge, pippin, lozenge, auriform, three square, oval, warding, half round, square, crochet, knife and round—sold in sets onlyper set \$6.30

AUGER BIT FILES

Prices on Application



For Auger Bits of All Sizes.

This file is made especially for the purpose, and will do quick and fine work without the danger of ruining the bit.

No. 1—7 in., double ender, one end having flat file with smooth edges, the other end being smooth with file edge per dozen.....\$4.00

ONE DOZEN ON AN EASEL BACK CARD
WEIGHT ¼ LB. PER DOZEN

FILE CLEANERS



No. 9—Nicholson's, wood back and frame, hardened tempered steel wire teeth, with scorer, length 10 in., w't per doz. 3½ lbs.per dozen \$13.00

HALF DOZEN IN A BOX



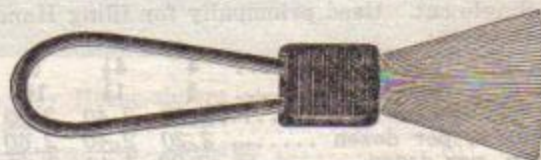
No. 1—Hargrave's, wood back and frame, tempered steel wire teeth, insuring long service, length 8½ in., w't per doz. 2½ lbs.per dozen \$9.00

ONE DOZEN IN A BOX



No. 10 REVVO-NOG—Colton's patent file cleaners, steel back and frame and face, hardened and tempered, steel wire teeth with soft steel pick for removing substances deeply imbedded between teeth of files, length 7½ in., w't per doz. 2½ lbs.per dozen \$8.00

ONE DOZEN IN A BOX



This brush is made of round tempered steel wire, iron handle and ferrule, and is non-breakable. This is a handy little brush for the tool kit.

No. 766—Length 5 in., 1½ in. bristles, w't per doz. 2 lbs. per dozen\$1.00

ONE DOZEN IN A BOX



Useful in engine room, factory farm and household. May be used for removing rust if used with a little acid for cleaning brass, iron that needs painting, pots and pans. Indispensable in cleaning harvesting machinery, etc., as it reaches every nook and corner.

No. 05—Pilley Quick, wire handle, 5 in. long steel bristles 1½ in., width 2½ in., length 7½ in. over all, w't per doz. 3 lbs.\$5.40

ONE DOZEN IN A BOX

AUGER BITS

JENNINGS



JENNINGS pattern, extra cast steel, extension lips.

No. 15 **CVB**—Inches 3-16 4-16 5-16 6-16 7-16 8-16
Wt per doz., lbs. 1 1½ 1½ 1½ 2 2½

Per dozen\$8.40 7.00 7.00 7.00 7.00 7.00

No. 15 **CVB**—Inches 9-16 10-16 11-16 12-16 13-16

Wt per doz., lbs. 2½ 3 3½ 4 4½

Per dozen\$8.40 8.40 9.80 9.80 11.50

No. 15 **CVB**—Inches 14-16 15-16 16-16 18-16 20-16

Wt per doz., lbs. 5 5½ 6 6½ 7½

Per dozen\$11.50 13.30 13.30 16.80 19.60

HALF DOZEN IN A WOOD BOX

SETS IN BOXES

No. 15 **CVB**—Sets of 32½ quarters, one each 4-16, 5-16

6-16, 7-16, 8-16, 9-16, 10-16, 11-16, 12-16, 13-16, 14-16,

15-16 and 16-16 in., w't 3½ lbs.per set \$10.50



IRWIN pattern, solid centers, extra high grade crucible steel, extension lip, double cutter, patent squared shanks.

No. 25 **CVB**—Inches 3-16 4-16 5-16 6-16 7-16 8-16

Wt per doz., lbs. 1 1½ 1½ 1½ 2 2½

Per dozen\$6.40 5.70 5.70 5.70 6.40 7.00

No. 25 **CVB**—Inches ... 9-16 10-16 11-16 12-16 13-16

Wt per doz., lbs. 2½ 3 3½ 4 4½

Per dozen\$7.80 8.50 10.00 10.00 11.40

No. 25 **CVB**—Inches 14-16 15-16 16-16 18-16 20-16 22-16 24-16

Wt per doz., lbs. 5 5½ 6 6½ 7½ 9 10

Per dozen\$11.40 12.80 12.80 15.00 17.00 19.20 22.30

HALF DOZEN IN A BOX

IRWIN



Extra cast steel, solid center stem, double cutter, extension lips patent squared shanks.

No. 62T—In. .3-16 4-16 5-16 6-16 7-16 8-16 9-16

W't doz., lbs. 1 1 1½ 1½ 2 2 2½

Per dozen ..\$6.40 5.70 5.70 5.70 6.40 7.10 7.80

No. 62T—In. 10-16 11-16 12-16 13-16 14-16 15-16 16-16

W't doz., lbs. . 2½ 3 3½ 3½ 3½ 4 4½

Per dozen ..\$8.50 10.00 10.00 11.40 11.40 12.80 12.80

HALF DOZEN IN A BOX

SETS IN BOXES OR ROLLS

No. 35—12x4½x3¼ in. varnished hardwood box, containing

one set 20½ quarters, one each 4-16, 5-16, 6-16, 7-16, 8-16,

10-16, 12-16, 14-16 and 16-16ths Irwin auger bits, w't

4½ lbsper set \$7.30

No. 32—11½x6½x3 in., handsome hardwood box, containing

one set 32½ quarters, 4-16, 5-16, 6-16, 7-16, 8-16, 9-16,

10-16, 11-16, 12-16, 13-16, 14-16, 15-16 and 16-16ths,

Irwin auger bits, w't 5½ lbs.per set \$10.60



IRWIN pattern solid center, extension lip, single cutter, polished coarse screw for fast boring.

A high grade bit, specially designed for Electricians, Plumbers, boring in hard wood and rough work.

No. 31 **CVB**—

Inches3-16 4-16 5-16 6-16 7-16 8-16 9-16

W't, doz., lbs. 1 1½ 1½ 1½ 2 2½ 2½

Per dozen\$6.40 5.70 5.70 5.70 6.40 7.10 7.80

No. 31 **CVB**—

Inches10-16 11-16 12-16 13-16 14-16 15-16 16-16

W't, doz. lbs. 3 3½ 4 4½ 5 5½ 6

Per dozen ...\$8.50 10.00 10.00 11.40 11.40 12.80 12.80

HALF DOZEN IN A BOX

SETS IN BOXES

No. 332 **CVB**—Sets of 32½ quarters, one each ¼, ½, ¾,

1, 1½, 2, 2½, 3, 3½, 4, 4½, 5, 5½, 6, 6½, 7, 7½, 8, 8½, 9, 9½, 10, 10½, 11, 11½, 12, 12½, 13, 13½, 14, 14½, 15, 15½, 16, 16½, 17, 17½, 18, 18½, 19, 19½, 20, 20½, 21, 21½, 22, 22½, 23, 23½, 24, 24½, 25, 25½, 26, 26½, 27, 27½, 28, 28½, 29, 29½, 30, 30½, 31, 31½, 32, 32½

w't per set 5½ lbs.\$10.60

AUGER BITS

IRWIN



IRWIN pattern, extra cast steel, extension lip, double cutter, black japanned finish, polished edges on twist.

No. 26 IRWIN—

Inches	3-16	4-16	5-16	6-16	7-16	8-16	9-16
W't doz. lbs.	1	1½	1½	1½	2	2½	3
Per dozen	\$5.50	4.90	4.90	4.90	5.50	6.10	6.60

No. 26 IRWIN—

Inches	10-16	11-16	12-16	13-16	14-16	15-16	16-16
W't doz., lbs.	3½	3½	4	4½	5	5½	5½
Per doz.	\$7.30	8.50	8.50	9.70	9.70	10.90	10.90

HALF DOZEN IN A BOX

SETS IN BOXES

Oiled hardwood boxes 11x5½x2½ in.

No. 262—One set of 32½ quarters, one each 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16, No. 26 bits, w't per set 2½ lbs. per set \$9.50

FORD



Extra cast steel, single concaved twist, extension lip.

No. 29—Inches	3-16	4-16	5-16	6-16	7-16	8-16
W't per doz., lbs.	1	1½	1½	2	2½	2½
Per dozen	\$10.80	9.00	9.00	9.00	9.00	9.00

No. 29—Inches	9-16	10-16	11-16	12-16	13-16	14-16
W't per doz., lbs.	3	3½	4	4½	5	5½
Per. dozen	\$10.80	10.80	12.60	12.60	14.90	14.90

No. 29—Inches	15-16	16-16	18-16	20-16	24-16
W't per doz. lbs.	6½	6½	8	8½	11½
Per dozen	\$17.10	17.10	11.60	25.20	32.40

SETS IN BOXES

No. 29—Sets of 32½ quarters, one each 4-16, 5-16, 6-16, 7-16, 8-16, 9-16, 10-16, 11-16, 12-16, 13-16, 14-16, 15-16 and 16-16ths in., in hardwood box per set \$13.50
3-16 TO 20-16THS, HALF DOZEN; 24-16THS, THIRD DOZEN IN A BOX

CRUSO JAPANNED AUGER BITS



Cast Steel, Solid Center, Extension Lip, Double Cutter.

No. 062—Cruso,

Inches	3-16	4-16	5-16	6-16	7-16	8-16	9-16
W't, doz., lbs.	1	1½	1½	1½	2	2½	2½
Per dozen	\$4.50	4.00	4.00	4.00	4.50	4.50	5.00

No. 062—Cruso,

Inches	10-16	11-16	12-16	13-16	14-16	15-16	16-16
W't, doz., lbs.	2½	3	3½	4	4½	4½	5½
Per dozen	\$5.60	6.50	6.50	7.80	7.80	8.50	8.50

HALF DOZEN IN A BOX

IN SETS

No. 062—Cruso, sets of 32½ quarters, one each 4-16, 5-16, 6-16, 7-16, 8-16, 9-16, 10-16, 11-16, 12-16, 13-16, 14-16, 15-16 and 16-16 in., w't 5 lbs. per set \$6.50

PUGH AUGER BITS



Hand made from highest grade crucible steel. Bore exact size, double spur, natural finish twist. Used especially in car and railroad shops, and by high class mechanics, but are well adapted for all general purposes. The lasting qualities of these bits are unequaled by any on the market.

No. 72—

Inches	4-16	5-16	6-16	7-16	8-16	9-16	10-16
W't, doz., lbs.	1	1½	1½	1½	2	2½	2½
Per dozen	\$17.60	17.60	17.60	17.60	17.60	19.60	21.90

No. 72—

Inches	11-16	12-16	13-16	14-16	15-16	16-16
W't, doz., lbs.	3½	3½	3½	4	4½	4½
Per dozen	\$24.00	26.30	28.50	30.60	32.80	35.00

HALF DOZEN IN A BOX

SETS IN BOXES

No. 72—Sets of 32½ quarters, one each 4-16, 5-16, 6-16, 7-16, 8-16, 9-16, 10-16, 11-16, 12-16, 13-16, 14-16, 15-16, 16-16 in., in hardwood box, w't 3½ lbs., per set \$25.80

ONE SET IN A BOX

RUSSELL JENNINGS AUGER BITS



Extra Cast Steel, Extension Lips.

No. 24—

Inches	3-16	4-16	5-16	6-16	7-16	8-16	9-16
W't, doz., lbs.	1	1½	1½	1½	2	2½	2½
Per dozen	\$11.40	9.50	9.50	9.50	9.50	9.50	11.40

No. 24—

Inches	10-16	11-16	12-16	13-16	14-16	15-16	16-16
W't, doz., lbs.	3	3½	3½	3½	4½	5	5½
Per dozen	\$11.40	13.30	13.30	15.70	15.70	18.00	18.00

3 TO 12-16THS, ONE DOZEN; 13 TO 16-16THS, HALF DOZEN IN A BOX

IN SETS

No. 24—Sets of 32½ quarters, one each 4-16, 5-16, 6-16, 7-16, 8-16, 9-16, 10-16, 11-16, 12-16, 13-16, 14-16, 15-16 and 16-16 in., w't 5 lbs., in hardwood box, per set \$16.00

AUGER BIT SETS



In Bartlett cherry finished wood boxes with compartments for each size bit.

No. 15 **CYE**—Extra Cast Steel.

No. 213—11x6x2 in., one set of 32 1/4 quarters, one each 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16-16 in., w't per set, 13 lbs.per set \$13.50

No. 6—11x5 1/2x1 1/2 in., one each 4, 6, 8, 10, 12 and 16-16 in., w't per set 3 lbs.per set \$5.80

No. 8—11x7x1 1/2 in., one each 4, 5, 6, 8, 10, 12, 14 and 16-16 in., w't per set 3 1/2 lbs.per set \$7.70

CYE AUGER BIT SETS



CYE auger bits are made from extra quality tool steel, they are carefully forged so that the steel may be of uniform density and every precaution is taken to secure strength at the points of strain. The tempering is done by the most accurate, modern method. The lips, spine and throat are filed to such form that they will retain their cutting edges and give the greatest amount of service, patent square shanks that center accurately with center of bit.

No. 20 Irwin Pattern.

No. 220 **CYE**—Sets or 20 1/4 quarters, one each 4-16, 5-16, 6-16, 7-16, 8-16, 10-16, 12-16, 14-16 and 16-16 in., and one screw driver bit, w't per set 4 1/2 lbs.per set \$7.30

No. 220 **CYE**—Sets of 32 1/4 quarters, one each 4-16, 5-16, 6-16, 7-16, 8-16, 9-16, 10-16, 11-16, 12-16, 13-16, 14-16, 15-16 and 16-16 in., w't per set 4 1/2 lbs.per set \$10.60

LOOSE

CYE AUGER BIT SETS



Consists of No. 20 **CYE** Bits.

No. 500 **CYE**—Size 10 1/2x4 1/2x1 1/2 in., one each 4, 5, 6, 8, 10 and 1 1/2 in., w't 1 1/2 lbs.per set \$4.40

CRUSO AUGER BIT SETS

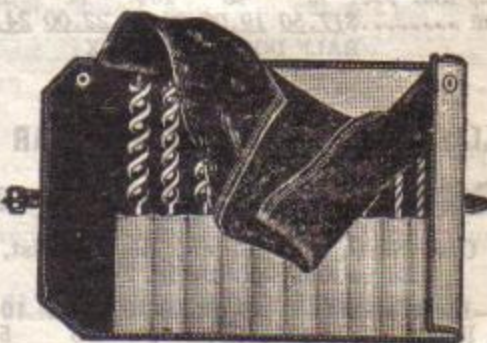


CRUSO

Consists of six jappanned solid center bits.

No. 600—Cruso, 10 1/2x4 1/2x1 1/2 in., one each 4, 5, 6, 8, 10 and 1 1/2 in. in slide cover box, w't 1 1/2 lbs.per set \$3.00

CYE AUGER BIT ROLLS



Canvas case only, leather bound, leather strap and buckle.

Nos.	3	2
Size, in.	18x11	12x10
To hold bits	13	6
W't doz. lbs.	3 1/2	2 1/2
Per dozen	\$15.40	10.80

BARTLETT AUGER BIT BOXES

Nos.	16	18	013
Bits	6	8	13
W't each, lbs.	1 1/2	1 1/2	2
Per dozen	\$11.50	15.60	19.80

LOOSE

IRWIN PATTERN CAR BITS



Extra Cast Steel, Solid Center Stem, Double Cutter, Extension Lip, 12 Inch Twist.

No. 40—Inches 4-16 5-16 6-16 7-16 8-16
W't per doz., lbs. 3 3½ 4½ 4½ 5½
Per dozen \$9.00 9.00 9.00 10.00 11.25

No. 40—Inches 9-16 10-16 11-16 12-16
W't per doz., lbs. 5½ 6½ 7½ 7½
Per dozen \$12.50 13.75 15.00 16.25

No. 40—Inches 13-16 14-16 15-16 16-16
W't per doz., lbs. 8½ 8½ 10 10½
Per dozen \$17.50 19.00 20.50 22.00

No. 40—Inches 17-16 18-16 20-16
W't per doz., lbs. 13 13½ 15
Per dozen \$24.00 26.00 30.00

HALF DOZEN IN A BOX

IRWIN PATTERN SHIP AUGER CAR BITS



Extra Cast Steel, Solid Center, Full Polished. 8 in. Twist, 12 in. Over all.

No. 53—Inches 6-16 7-16 8-16 9-16 10-16 11-16
W't, doz., lbs. 2 2½ 3 4 4½ 5
Per dozen \$8.25 8.25 8.25 10.00 10.00 11.50

No. 53—Inches 12-16 13-16 14-16 15-16 16-16
W't, doz., lbs. 5½ 6 6½ 7 7½
Per dozen \$11.50 13.50 13.50 15.00 15.00

12 in. Twist, 18 in. Over all

No. 55—In. 6-16 7-16 8-16 9-16 10-16 11-16 12-16
W't doz., lbs. 4 4½ 5½ 6 7 7½ 8
Per dozen \$9.00 10.00 11.25 12.50 13.75 15.00 16.75

No. 55—Inches 13-16 14-16 15-16 16-16 17-16 18-16
W't, doz., lbs. 9 10 10½ 11 12 13
Per dozen \$17.50 19.00 20.50 22.00 24.00 26.00

HALF DOZEN IN A BOX

SNELL'S SHIP AUGER PATTERN CAR BITS



Superior Cast Steel, with Screw, Black Twist, Polished Edges and Shank, 8 in. Twist.

No. 507—Inches .. 6-16 7-16 8-16 9-16 10-16 11-16
W't doz., lbs. 2½ 3½ 4 5 5½ 6½
Per dozen \$10.00 10.00 10.00 10.00 10.00 11.00

No. 507—Inches .. 12-16 13-16 14-16 15-16 16-16 17-16
W't doz., lbs. 7 8 9 10½ 12 14
Per dozen \$11.00 12.00 12.00 13.00 13.50 15.00

12 In. Twist.

No. 509—Inches 6-16 7-16 8-16 9-16 10-16
W't doz., lbs. 3 4 5 6 7
Per dozen \$11.00 11.00 11.00 11.00 11.00

No. 509—Inches 11-16 12-16 13-16 14-16
W't per doz., lbs. 7½ 9 10½ 11½
Per dozen \$12.00 12.00 13.00 13.00

No. 509—Inches 15-16 16-16 17-16 18-16
W't per doz., lbs. 13 14 15 18½
Per dozen \$14.50 14.50 16.00 16.00

HALF DOZEN IN A BOX

SNELL'S CAR BITS



Superior cast steel, extension lip, 12. in. polished twist.

No. 206—Inches 6-16 7-16 8-16 9-16
W't per doz., lbs. 3 3½ 4 5
Per dozen \$11.25 11.25 11.25 12.50

No. 206—Inches 10-16 11-16 12-16 13-16
W't per doz., lbs. 6 6 6½ 7½
Per dozen \$13.75 15.00 16.25 17.50

HALF DOZEN IN A BOX

PUGH CAR BITS



Hand made to exact size from highest grade crucible steel. Double spur natural finish twist. Because of their great lasting qualities they are preferred by many for use in car and railroad shops and by high grade mechanics. Especially adapted for boring hard wood.

6 IN. TWIST

No. 78—
Inches 6-16 7-16 8-16 9-16 10-16 11-16 12-16
W't, doz., lbs. 2½ 3 3½ 3½ 4 4½ 5
Per dozen .. \$22.00 22.00 22.00 25.00 28.00 30.50 33.00

9 IN. TWIST

No. 178—
Inches 6-16 7-16 8-16 9-16 10-16 11-16 12-16
W't, doz., lbs. 3 3½ 4 4½ 5 5½ 6½
Per dozen .. \$26.00 26.00 26.00 29.00 32.50 35.00 39.50

HALF DOZEN IN A BOX

SNELL'S SHIP AUGERS



With Screw.



Without Screw.

Superior Cast Steel, Japanned Inside, Polished Edges and Shank.

Inches 6-16 7-16 8-16 9-16 10-16
Twist, in. 8½ 9 9½ 10½ 11½
W't per doz., lbs. 2½ 3 4 6 7½

No. 541—With screws,
dozen \$11.00 11.00 11.00 11.00 11.00

No. 542—Without screw,
dozen \$13.20 13.20 13.20 13.20 13.20

Inches 11-16 12-16 13-16 14-16 15-16
Twist, in. 12 12 12½ 12½ 13
W't per doz., lbs. 8 9 9½ 10½ 12

No. 541—With screw,
dozen \$12.00 12.00 13.00 13.00 14.50

No. 542—Without screw,
dozen \$14.40 14.40 15.60 15.60 17.40

Inches 16-16 17-16 18-16 19-16
Twist, in. 13 13½ 13½ 14
W't per doz., lbs. 14 18 20½ 23

No. 541—With screws, dozen .. \$14.50 16.00 16.00 18.00

No. 542—Without screws, doz. \$17.40 19.20 19.20 21.60

Inches 20-16 24-16 28-16 32-16
Twist, in. 14 14 14 15
W't per doz., lbs. 26 35 42 52

No. 541—With screws, dozen .. \$18.00 23.00 32.00 45.00

No. 542—Without screws, dozen \$21.00
4-16 TO 16-16TH HALF DOZEN; OTHERS QUARTER DOZEN
IN A BOX

SNELL'S SHIP AUGER BITS



Superior Cast Steel, with Screw, 5 Inch Polished Twist.

No. 503—Inches	4-16	5-16	6-16	7-16	8-16
Wt. per doz., lbs.	1	1½	2	2½	3
Per dozen	\$9.00	9.00	9.00	9.00	9.00

No. 503—Inches	9-16	10-16	11-16	12-16
Wt. per doz., lbs.	3½	3½	4	4½
Per dozen	\$11.20	11.20	13.50	13.50

No. 503—Inches	13-16	14-16	15-16	16-16
Wt. per doz., lbs.	5	5½	6½	8
Per dozen	\$15.80	15.80	18.00	18.00

HALF DOZEN IN A BOX

SHIP AUGERS



Superior Cast Steel, Solid Center, Full Polished, With Screw

No. 57—Inches	6-16	7-16	8-16	9-16	10-16	11-16
Twist, in.	9	9½	9½	9½	9½	10
Wt. doz., lbs.	3	3½	4	5	6	7
Per dozen	\$15.00	15.00	15.00	18.00	18.00	21.00

No. 57—Inches	12-16	13-16	14-16	15-16	16-16
Twist, in.	10½	10½	10½	10½	11
Wt. doz., lbs.	8	9	11	11½	12
Per dozen	\$21.00	24.00	24.00	27.00	27.00

No. 57—Inches	17-16	18-16	19-16	20-16	24-16
Twist, in.	11½	11½	11½	11½	12½
Wt. doz., lbs.	13	14	15	16	21
Per dozen	\$30.00	30.00	33.00	33.00	42.00

HALF DOZEN IN A BOX

BIT EXTENSIONS



No. 5—Inches	12	15	18	21	24
Wt. per doz., lbs.	6	7½	8½	9	11
Per dozen	\$32.00	32.80	33.60	34.60	35.60

Extensions will follow ½ in. bit and longer.

ONE IN A BOX

STEER'S EXPANSIVE AUGER BITS



Highly Polished, Two Cutters, Micrometer Screw Adjustment, Cutters are Toothed and Will Not Slip or Creep.

Small, ½ to 2 in. cut, w't per doz. 4½ lbs.,	
per dozen	\$48.60
Large, 1 to 3 in. cut, w't per doz. 8½ lbs.,	
per dozen	\$59.40

ONE IN A BOX; HALF DOZEN IN A CARTON

Extra Cutters.

Nos.	1	2	3	4
Cut, in.	1to1½	1½to2	2to2½	2½to3
Per dozen	\$9.00	9.00	9.60	10.80

Nos. 1 and 2 are adapted to small, Nos 3 and 4 are adapted to large bits.

ONE DOZEN IN A BOX

EXPANSIVE AUGER BITS



Extra Fine Tool Steel, Gun Metal Finish, Polished Cutters, Carefully Tempered, with Two Cutters.

The bits are made of an extra fine tool steel, carefully tempered cutters are accurately fitted to bits and are as high grade as can be made.

No. 100 **EXP**—Small, ½ to 1½ in. cut, w't per doz. 3 lbs., per dozen \$32.40

No. 125 **EXP**—Large, ¾ to 3 in. cut, w't per doz. 7½ lbs., per dozen \$46.80

ONE IN A BOX; HALF DOZEN IN A CARTON

Extra Cutters.

Nos.	11	12	13	14	15	16
Cut, in.	1to1½	1½to2	2to2½	2½to3	3to4	4to5
Per dozen	\$5.40	6.80	9.50	10.80	16.20	21.60

Nos. 1 and 2 are adapted to small, Nos. 3 to 6 to large bits

ONE DOZEN IN A BOX

SPECIAL EXPANSIVE BITS



Extra Fine, Tool Steel, Full Polished, Carefully Tempered, with Two Cutters.

The cutter intermeshes with a cross feed screw, which is firmly held and is forced into a dovetail and directly against the stem of bit.

It is impossible for the cutter to move while the bit is in operation. The cutter itself is of special construction, having a uniform bevel or cutting edge its entire length.

These bits are patented and have the latest and most improved features, as high grade a bit as can be made.

No. 150 **EXP**—Small, ½ to 1½ in. cut, w't per doz. 4½ lbs., per dozen \$49.50

No. 175 **EXP**—Large, ¾ to 3 in. cut, w't per doz. 8½ lbs., per dozen \$58.50

ONE IN A BOX

Extra Cutters.

Nos.	21	22	23	24	25
Cut, in.	1to1½	1½to2	2to2½	2½to3	3to4
Per dozen	\$6.90	8.60	12.00	13.80	20.70

Nos. 21 and 22 are adapted to small, balance to large bits.

ONE DOZEN IN A BOX

CLARK EXPANSIVE AUGER BITS



Highly Polished, Two Cutters.

Small, ½ to 1½ in. cut, w't per doz. 6 lbs., per dozen \$28.80

Large, ¾ to 3 in. cut, w't per doz. 8 lbs., per dozen \$41.60

ONE IN A BOX; HALF DOZEN IN A CARTON

Extra Cutters.

Nos.	31	32	33	34	35	36
Cut, in.	1to1½	1½to2	2to2½	2½to3	3to4	4to5
Per dozen	\$4.80	6.00	8.40	9.60	14.40	19.20

Nos. 31 and 32 are adapted to small, Nos. 3 to 6 are adapted to large bits.

ONE DOZEN IN A BOX

CARPENTERS' NUT AUGERS



REVISED Solid Center, Superior Cast Steel, Full Polished, Double Center 10 in. Twist, 18 in. Over All.

No. 74—

Inches	1	1½	1½	1½	2	2½	2½
W't, doz., lbs.	10	14	18	22	26	30	33
Per dozen	\$23.90	30.60	39.60	46.80	54.00	61.20	68.40

QUARTER DOZEN IN A BOX



REVISED Solid Cast Steel, Brass Nut, Full Polished Shank.

No. 126 —Inches	1-2	3-4	1	1½	1½	1½
W't, doz., lbs.	4	5½	8½	11½	12	15
Per dozen	\$15.00	16.50	22.50	25.50	28.50	36.00
Inches	1½	2	2½	2½	3	
W't per doz., lbs.	19	21½	27	30	37½	
Per dozen	\$42.00	48.00	75.60	93.60	165.60	

HALF DOZEN IN A BOX

BORING MACHINE AUGERS



¼ In. Shank, 8½ In. Twist, Will Fit Any Make of Machine.

No. 128 —Inches	1	1½	1½	2
W't per doz., lbs.	2½	3	3½	4½
Per dozen	\$22.50	28.50	36.00	48.00

In Sets.

Sets of 18 quarters, 1, 1½ and 2 in.per set \$8.80

QUARTER DOZEN IN A BOX

IRWIN BORING MACHINE AUGERS



Solid Center Stem, Double Cutter, Extension Lip.

No. 73R —Inches	1	1½	2
W't per doz., lbs.	8½	12½	16½
Per dozen	\$23.90	39.60	54.00

1 IN. ONE DOZEN; 1½ IN. HALF DOZEN; 2 IN. QUARTER

DOZEN IN A BOX

DOWEL SHARPENERS



No. 22—Stanley's, improved, w't per doz. 1 lb.,

per dozen\$6.20

HALF DOZEN IN A BOX

DOWEL BITS



¾ Inches Long.

Inch	1-4	5-16	3-8	1-2
W't per doz.	2	2½	3	3½
Per dozen	\$9.50	9.50	9.50	9.50

ONE DOZEN IN A BOX

PLUG CUTTERS

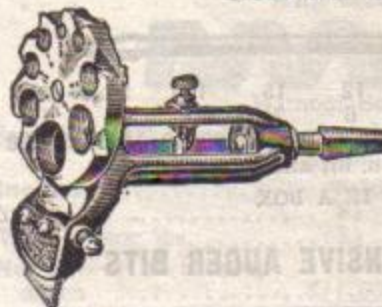


Polished knives, made from high grade tool steel carefully tempered. Knives are held in place by a steel band and easily replaced. These are used for cutting plugs where it is necessary to cover the heads of screws on all work requiring a fine finish.

Nos.	1	2	3	4	5
Size	¾	7/16	½	9/16	5/8
W't per doz., lbs.	2	2½	3	3½	4
Per dozen	\$9.40	10.00	10.50	11.30	12.00

HALF DOZEN IN A BOX

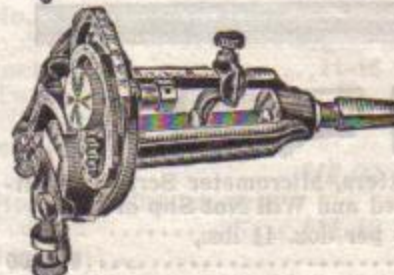
HOLLOW AUGERS



No. 4 — Adjustable, japanned disc with nickel trimmings, cuts ¾ to 1 in., w't per doz. 20 lbs.,

per dozen\$24.00

SIXTH DOZEN IN A BOX



No. 33—Stearns', adjustable to any size from ¼ to 1½ in. in diameter and to depth of 3 in., japanned and painted red, polished edges, nickel plated thumb screws, w't per doz. 21 lbs.,

per dozen....\$104.00

SIXTH DOZEN IN A BOX

SPOKE POINTERS



No. 1—Stearns', with graduated adjustable shank and cast steel adjustable knife, w't per doz. 15½ lbs.,

per dozen....\$19.20

HALF DOZEN IN A BOX

GIMLET BITS



Double cut, hammer forged from best crucible steel, hardened, tempered and polished.

No. 21 CVB —Inch	4-32	5-32	6-32	7-32
Per dozen	\$3.60	3.60	3.60	3.60
No. 21 CVB —Inch	8-32	9-32	10-32	Asst.
Per dozen	\$3.60	3.60	3.60	3.60

Each bit is carefully tested at factory and is fully warranted. Made exact size as listed.

ONE DOZEN IN A BOX. AVERAGE W'T 8 OZ.



German Pattern, Forged Steel, Straw Colored.

No. 30 CVB —Inch	2-32	3-32	4-32	5-32	6-32	7-32
Per dozen	\$3.20	3.20	3.20	3.20	3.20	3.20
No. 30 CVB —Inch	8-32	9-32	10-32	12-32	Asst'd	2 to 8
Per dozen	\$3.20	3.30	3.30	3.60	3.20	

ONE DOZEN IN A BOX. AVERAGE W'T 12 OZ. PER DOZEN



German Pattern, Forged Steel, Straw Colored.

No. 25—Inch	2-32	3-32	4-32	5-32	6-32
Per dozen	\$2.40	2.40	2.40	2.40	2.40
No. 25—Inch	7-32	8-32	9-32	10-32	Asst'd
Per dozen	\$2.40	2.40	2.40	2.40	2.40

ONE DOZEN IN A BOX. AVERAGE W'T 12 OZ. PER DOZEN

SCREW DRIVER BITS



Round shank, hammer forged from extra fine tool steel, polished.

No. 17 CVB —One dozen in a box assorted as follows, 1 only $\frac{1}{8}$ in., 2 only $\frac{1}{4}$ in., 4 only $\frac{1}{2}$ in., 5 only $\frac{5}{16}$ in., w't per dozen 1 lb.					
per dozen					\$5.60

ONE DOZEN IN A BOX

STRAIGHT SIZES

No.	174	175	176	178
Inches	$\frac{1}{8}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$
W't, per doz., lbs.	$\frac{1}{2}$	$\frac{3}{4}$	1	1
Per dozen	\$5.60	5.60	5.60	5.60

ONE DOZEN IN A BOX



Round shank hammer forged tool steel, straw colored, extra quality.

No. 7 CVB —One dozen in a box assorted as follows, 3 only $\frac{1}{8}$ in., 6 only $\frac{1}{4}$ in., 3 only $\frac{5}{16}$ in., w't per doz. $\frac{1}{2}$ lbs., per dozen					
per dozen					\$4.00



Round Shank, Cast Steel, Polished, Extra Quality.

No. 127 DISSTON —One dozen in a box assorted as follows, 4 each $\frac{1}{8}$ in. and $\frac{5}{16}$ in., w't per doz. 1 lb., per dozen					
per dozen					\$3.00

ONE DOZEN IN A BOX



DISSTON

DISSTON'S, round shank, crucible tool steel, polished.

No. 5—Assorted one dozen in a box as follows: 4 each $\frac{1}{8}$ in. and $\frac{1}{4}$ in., w't per doz. 1 lb.					
per dozen					\$3.60

ONE DOZEN IN A BOX

COUNTERSINK BITS



Double Cut.

No. 35 CVB — $\frac{1}{2}$ in., snail head, for wood, hammer forged from finest tool steel, straw colored, w't per doz. 1 lb.					
per dozen					\$4.60

ONE DOZEN IN A BOX



Single Cut.

No. 32—American, $\frac{1}{2}$ in., snail head, cast steel, polished, round shank, for wood, w't per doz. $1\frac{1}{2}$ lbs., per dozen					
per dozen					\$3.00

ONE DOZEN IN A BOX



Rose head, for metal, hammer forged from finest tool steel, milled teeth, straw colored.

No. 45 CVB —Inches	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.	$\frac{1}{2}$ in.	$\frac{3}{4}$ in.
W't, doz., lbs.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$5.00	6.00		

ONE DOZEN IN A BOX



No. 30—American, $\frac{1}{2}$ in., rose head, cast steel, polished, round shank, for metal, w't per doz. 1 lb., per dozen					
per dozen					\$3.00

ONE DOZEN IN A BOX



No. 20.

WHEELER'S, cast steel, nickel plated, size $\frac{1}{2}$ x 4 inches, round shank, for wood.

No. 18—Without gauge, w't per doz. 1 lb., per dozen					
per dozen					\$6.00

No. 20—With gauge, w't per doz. $1\frac{1}{2}$ lbs., per dozen					
per dozen					\$8.00

ONE DOZEN IN A BOX

COUNTERSINK GIMLET BITS



No. 5 CVB —Sizes ...	0	1	2	3	Asst'd 0 to 3
For screws, in.	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$ to $1\frac{1}{2}$
Per dozen	\$4.60	4.60	4.60	4.60	4.60

ONE DOZEN IN A BOX. AVERAGE W'T 8 OZ. PER DOZEN

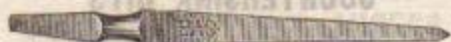


Polished Cast Steel.

No. 12—One dozen in a box, assorted as follows, 3 each sizes 0, 1, 2, 3, for screws $\frac{1}{8}$ to $1\frac{1}{2}$ in., w't per doz. 12 oz., per dozen					
per dozen					\$3.00

ONE DOZEN IN A BOX

REAMER BITS



No. 1—square, hammer forged from finest tool steel, straw colored.

No. 1—Inches 1-2 3-4
W't per doz., lbs. 2 5½
Per dozen \$6.00 7.40
ONE DOZEN IN A BOX



No. 342—German, square, cast steel, straw colored, w't per doz 1½ lbs. per dozen \$2.00
ONE DOZEN IN A BOX



No. 2 **ONE**—½ in., octagon, hammer forged from finest tool steel, straw colored, w't per doz. 1½ lbs., per dozen \$5.40
ONE DOZEN IN A BOX



Lighting taper, round shank, fine steel, for bit brace.
No. 460—Inch 1-4 5-16 3-8 7-16 1-2 9-16
W't per doz., lbs. ... ½ 1 1½ 1½ 2½ 2½
Per dozen \$9.60 9.60 10.40 11.20 12.00 12.80
No. 460—Inch 5-8 11-16 3-4 7-8 1
W't per doz., lbs. 3½ 4½ 6 8 10½
Per dozen \$15.20 17.60 23.50 28.00 36.00
HALF DOZEN IN A BOX

BURRING REAMERS

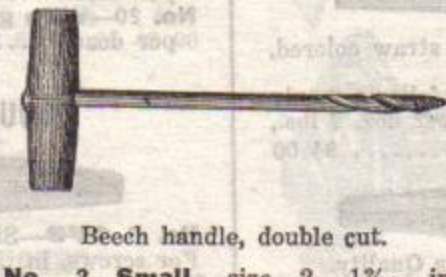


LIGHTNING
Bit stock, spiral fluted, made from finest steel. Are designed especially for removing burrs caused in cutting pipe. Extensively used for countersinking. Great care taken in tempering to adapt them to a variety of metals
Nos. 241 242 242½ 244
Length, in. 3½ 4½ 4½ 5½
For pipe, in. ½ to 1 ½ to 1½ to 1½ to 2
W't per doz., lbs. 1½ 5 5½ 18
Per dozen \$21.60 25.20 30.60 64.80
ONE IN A BOX

WOOD HEAD GIMLETS



No. 1 **ONE**—German Pattern, bit point, hammer forged from dest tool steel, oil tempered, cocobola handle, assorted 4 to 8-32 in., w't per doz. 5 oz. per dozen \$3.30
No. 200 **ONE**—Rosewood handle, sizes assorted 1 to 4, w't per doz. 10 oz. per dozen \$2.90
THREE DOZEN IN A BOX
GROSS IN A BOX



Beech handle, double cut.
No. 2—Small, size 2, 1¼ in., w't per gro. 5 lbs., per dozen \$2.00
No. 3—Medium, size 3, 1¾ in., w't per gro. 5 lbs. per dozen \$2.00
No. 4—Large, size 4, 1½ in., w't per gro. 8 lbs. per dozen \$2.00
No. 14—Sizes assorted, 1 to 4, 1¼ to 1½ in., w't per gro. 6 lbs., per dozen \$2.00
QUARTER GROSS IN A BOX

GENUINE CRITCHLEY EXPANDING REAMERS



These Reamers have six cutters made of special alloy Semi-High Speed Steel, fitted to parallel slots cut lengthwise in the shaft of the Reamer. These slots are of sufficient depth that when the blades are forced up to their extreme limit they are sufficiently deep to hold firmly so that blades will not spring out.

Blades are beveled on each end and are confined to their place by special nuts. To increase the diameter of Reamer, it is only necessary to slack up on one nut and screw up on the other. Body of Reamer made of tool steel nicely finished. These Reamers are especially valuable in garages and machine shops.

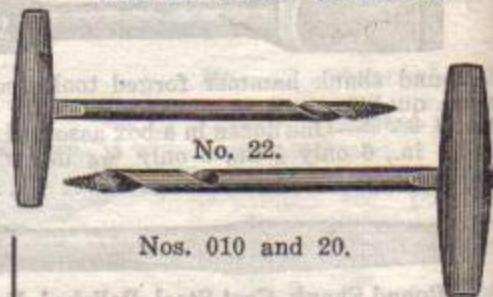
Nos.	19	20	21	22	23	24
Expansion, in.	2 7/16	2 7/8	3	3 1/8	3 1/2	3 11/16
to	to	to	to	to	to	to
Length, in.	5 1/2	5 1/2	5 1/2	5 1/2	6 1/2	6 1/2
W't, doz., lbs.	2	2	2	3	4	4 1/2
Per dozen	\$86.40	86.40	86.40	86.40	91.20	91.20
Nos.	25	26	27	28	29	30
Expansion, in.	3	3 1/8	3 1/4	1	1 1/2	1 1/2
to	to	to	to	to	to	to
Length, in.	7	7 1/4	8	9	10	11
W't, doz., lbs.	6 1/2	8	10	14 1/2	20 1/2	28
Per dozen	\$96.00	96.00	105.60	111.40	134.40	153.60



IN SETS

No. 10—Set consists of ten reamers. Nos. 20 to 29 inclusive. W't per set 7 lbs. per set \$82.00
ONE SET IN A WOOD BOX

METAL HEAD GIMLETS



No. 22—Spike, assorted sizes, 2, 3 and 4, 1¼ to 1½ in., small medium and large, w't per gro. 18 lbs., per dozen \$1.50
No. 010—Nail, assorted sizes, 1, 2 and 3, ¾ to 1¼ in., small medium and large, w't per gro. 7 lbs., per dozen \$1.40
No. 20—Nail, assorted sizes, 2 and 3, 1¼ and 1½ in., medium and large, w't per gro. 8½ lbs., per dozen \$1.50
O. 22, QUARTER GROSS; OTHERS, HALF

TWIST DRILLS IN SETS



Wood pocket case, 8x3x8 1/2 in., cloth covered in imitation leather, one each 4-32, 5-32, 6-32, 7-32, 8-32, 10-32 and 12-32 in.

ONE SET IN A BOX

No. 3A—For wood, w't
per set 1 lb.,
per set \$3.70

No. 5A—For iron, w't per
set 1/2 lbs. ..per set 4.35

ONE SET IN A BOX

STANDARD

No. 13B—For wood, w't 1 lb.per set \$3.70

No. 14A—For iron, w't 1 lb.per set 4.35

ONE SET IN A BOX

ARMSTRONG PACKER RATCHET DRILLS



Nos.	1	2	3
Length, in.	10	12	15
Size of drill socket, square taper, in.	1	1	1
Length of head, in.	6	6 1/2	7 1/2
Feed, in.	2 1/2	2 1/2	3
W't each, lbs.	4	6	8 1/2
Each	\$5.75	7.25	9.00

No. 1 socket is 1/2 in. square at small end, 3/4 in. at large end.

No. 2 socket is 1/2 in. square at small end, 3/4 in. at large end.

LOOSE

ARMSTRONG RATCHET DRILLS WITH SLEEVE FEED SCREW AND TAPER SOCKET FOR TAPER SHANK DRILLS

Nos.	1M	2M	3M
Length, in.	10	12	15
Drill socket, in.	2	3	3
Takes taper shank drills, in.	2 3/4	5 3/4	5 3/4
Length of head, in.	6	6 1/2	7 1/2
Feed, in.	2 1/2	2 1/2	3
W't each, lbs.	4 1/2	6	8 1/2
Each	\$5.75	7.25	9.00

ONE IN A BOX

DRILL CHUCKS



No. 7—Miller Falls, for post drills, polished, nickel plated steel, knurled sleeve, 2 1/2 x 1/2 in., shank capacity 0 to 1/2 in., round shank drills, w't 1 1/2 lbs.each \$3.00

ONE IN A BOX

TWIST DRILLS



bit stock, for metal or wood, 3/16 x 3/4 x 1 1/2 in. shank.						
No. 8A —In. 1-16 3-32 1-8 5-32 3-16 7-32						
Length, in.	3 1/2	3 1/2	3 3/4	4 1/2	4 3/4	4 1/2
W't per doz., lbs.	8	8	8	11 1/2	11 1/2	8
Per dozen	\$2.50	2.70	3.00	3.50	4.00	4.50
No. 8A —In. 1-4 9-32 5-16 11-32 3-8 13-32						
Length, in.	5 1/2	5 1/2	5 3/4	5 3/4	6	6 1/2
W't per doz., lbs.	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Per dozen	\$5.00	6.00	7.00	8.00	8.50	9.25
No. 8A —In. 7-16 15-32 1-2 9-16 5-8 3-4						
Length, in.	6 1/2	6 1/2	7	7 1/2	8	8
W't per doz., lbs.	2 1/2	2 1/2	2 1/2	3 1/2	4 1/2	6
Per dozen	\$10.50	11.75	13.00	15.50	18.00	24.00
No. 8A —In sets of 9, one each 1-16, 3-32, 1-8, 5-32, 3-16, 7-32, 1-4, 5-16, 3-8 in. ....per set \$4.25						



bit stock, Syracuse pattern, for wood, 3/16 x 3/4 x 1 1/2 in. shank.						
No. 9A —In. 1-16 3-32 1-8 5-32 3-16 7-32						
Length, in.	3 1/2	4	4 1/2	5	5 1/2	6
W't per doz., lbs.	1	1	1 1/2	1 1/2	1 1/2	1 1/2
Per dozen	\$3.25	3.25	3.25	3.50	4.00	4.50
No. 9A —In. 1-4 9-32 5-16 11-32 3-8 13-32						
Length, in.	6 1/2	7	7 1/2	7 1/2	8	8 1/2
W't per doz., lbs.	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Per dozen	\$5.00	5.50	6.00	6.50	7.00	7.50
No. 9A —In. 7-16 15-32 1-2 9-16 5-8						
Length, in.	8 1/2	8 1/2	9	9 1/2	9 1/2	9 1/2
W't per doz., lbs.	2 1/2	2 1/2	2 1/2	3 1/2	3 1/2	4
Per dozen	\$8.00	8.75	9.50	11.00	12.50	

TWIST DRILL



Standard Syracuse pattern, bit stock, for wood, specially tempered and pointed for wood, but are not injured by contact with nails, etc., length 9 in.						
No. 109A —In. 1-16 3-32 1-8 5-32 3-16						
W't per doz., lbs.	1	1	1 1/2	1 1/2	1 1/2	1 1/2
Per dozen	\$3.25	3.25	3.25	3.50	4.00	4.50
No. 109A —In. 7-32 1-4 9-32 5-16 11-32						
W't per doz., lbs.	1	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Per dozen	\$4.50	5.00	5.50	6.00	6.50	7.00
No. 109A —In. 3-8 13-32 7-16 15-32 1-2						
W't per doz., lbs.	2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
Per dozen	\$7.00	7.50	8.00	8.75	9.50	

EXTRA LENGTH DRILL



FOR BELL HANGERS AND ELECTRICIANS

Bit stock for wood, will drill through plastering, bricks, etc., can be sharpened, 3/16 x 3/4 x 1 1/2 in. shank.						
No. 109B —Diam., in. 1-4 1-4 5-16 5-16 3-8						
Length, in.	12	18	12	18	24	12
W't per doz., lbs.	2	2 1/2	2 1/2	3 1/2	4 1/2	2 1/2
Per dozen	\$8.00	10.50	8.75	11.00	13.50	9.50
No. 109B —Diam., in. 3-8 3-8 7-16 1-2						
Length, in.	18	24	12	12		
W't per doz., lbs.	4 1/2	5 1/2	2 1/2	3		
Per dozen	\$12.00	14.50	10.50	12.00		
No. 109B —Diam., in. 1-2 5-8 5-8						
Length, in.	18	12	18			
W't per doz., lbs.	5	4	6			
Per dozen	\$14.50	15.25	17.75			

ALL ABOVE ONE DOZEN IN A BOX

ROSE TOOLS, INC.

TWIST DRILLS

BIT STOCK, FOR WOOD AND IRON

Size Shank $\frac{1}{16} \times 1 \frac{1}{4}$ in.

No. 108—109—In..	1-16	3-32	1-8	5-32	3-16	7-32
W't per doz., lbs.	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{11}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1
Per dozen	\$2.50	2.70	3.00	3.50	4.00	4.50

No. 108—109—In..	1-4	9-32	5-16	11-32	3-8	13-32
W't per doz., lbs.	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Per dozen	\$5.00	6.00	7.00	8.00	8.50	9.25

No. 108—109—In..	7-16	15-32	1-2	9-16	5-8	3-4
W't per doz., lbs.	2	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$
Per dozen	\$10.50	11.75	13.00	15.50	18.00	24.00

ONE DOZEN IN A BOX

No. 13—Sets of nine, one each $\frac{1}{16}$, $\frac{3}{32}$, $\frac{1}{8}$, $\frac{5}{32}$, $\frac{3}{16}$, $\frac{7}{32}$, $\frac{1}{2}$, $\frac{5}{8}$ and 1 in., w't per set 2 $\frac{1}{2}$ lbs. per set \$4.25

ONE SET IN A BOX

STUBBS' STEEL WIRE GAUGE, STRAIGHT SHANK



No. 107—						
Gauge	1to5	6to10	11to15	16to20	21to25	26to30
Avg. lgth., in.	4	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	2 $\frac{1}{2}$
Per dozen ..	\$2.75	2.50	2.25	2.00	1.90	1.80

No. 107—						
Gauge	31to40	41to45	46to50	51to55	56to60	61to65
Avg. lgth., in.	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Per dozen ..	\$1.75	1.70	1.65	1.60	1.55	1.50

ONE DOZEN IN A BOX

MOUNTED SETS

No. 9—30 drills, alternate sizes, from 1 to 59 gauge, w't per set 2 lbs. per set \$8.50

No. 8—60 drills, all sizes from 1 to 60 gauge, w't per set 2 $\frac{1}{2}$ lbs. per set \$13.75

No. 7—65 drills, all sizes from 1 to 60 gauge and $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $1\frac{1}{2}$ and 2 in., w't per set 2 $\frac{1}{2}$ lbs., per set \$15.75

ONE SET IN A BOX

PATENT INCREASE, STRAIGHT SHANK



Length, in.	10 $\frac{1}{2}$	10 $\frac{3}{4}$	11
Length, in.	8	8 $\frac{1}{4}$	8 $\frac{3}{4}$
Each	\$1.30	1.40	1.60

No. 104B—104—In..	7-8	15-16	1
Length, in.	10 $\frac{1}{2}$	10 $\frac{3}{4}$	11
Each	\$2.60	3.00	3.50

ONE DOZEN IN A BOX

JOBBER'S' AND MACHINISTS', STRAIGHT SHANK



No. 105—In.	1-16	5-64	3-32	7-64	1-8	9-64
Page 118						
W't per doz., lbs.	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$
Per dozen	\$1.60	1.65	1.70	1.75	1.80	1.85

No. 105—In.	5-32	11-64	3-16	13-64	7-32	15-64
Length, in.	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$
W't per doz., lbs.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$1.90	2.00	2.25	2.50	2.75	3.00

No. 105—In.	1-4	17-64	9-32	19-64	5-16	21-64
Length, in.	4	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$
W't per doz., lbs.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Per dozen	\$3.25	3.50	3.80	4.00	4.35	4.70

No. 105—In.	11-32	23-64	3-8	25-64	13-32	27-64
Length, in.	4 $\frac{1}{2}$	4 $\frac{1}{2}$	5	5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$
W't per doz., lbs.	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Per dozen	\$5.05	5.50	6.00	6.50	7.00	7.75

No. 105—In.	7-16	29-64	15-32	31-64	1-2
Length, in.	5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	5 $\frac{1}{2}$	6
W't per doz., lbs.	2	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	3
Per dozen	\$8.50	9.25	10.00	11.00	12.00

ONE DOZEN IN A BOX

MOUNTED SETS

No. 18—Sets of nine, one each $\frac{1}{16}$ to $\frac{3}{16}$ in. inclusive, w't per set 2 lbs. per set \$1.60

No. 6—15 drills, alternate sizes from $\frac{1}{16}$ to $\frac{1}{2}$ in., w't per set 2 lbs. per set \$9.50

No. 5—29 drills, all sizes from $\frac{1}{16}$ to $\frac{1}{2}$ in., w't per set 3 lbs. per set \$15.00

ONE SET IN A BOX

TAPER SHANK, PATENT INCREASE



No. 104—102—						
In.	3-16	1-4	9-32	5-16	11-32	3-8
Length, in.	6	6 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	7
Each	\$0.50	.60	.65	.70	.75	.80

No. 104—102—In..	7-16	15-32	1-2	17-32	9-16	19-32
Length, in.	7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 $\frac{1}{2}$	8	8 $\frac{1}{2}$	8 $\frac{1}{2}$
Each	\$1.00	1.10	1.20	1.30	1.40	1.50

No. 104—102—In..	5-8	21-32	11-16	23-32	3-4	25-32
Length, in.	8 $\frac{1}{2}$	9	9 $\frac{1}{2}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$	9 $\frac{1}{2}$
Each	\$1.60	1.70	1.80	1.90	2.00	2.10

No. 104—102—In..	13-16	27-32	7-8	29-32	15-16	31-32
Length, in.	10	10 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$
Each	\$2.20	2.40	2.60	2.80	3.00	3.25

No. 104—102—In..	1	1 $\frac{1}{8}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{7}{8}$
Length, in.	11	11 $\frac{1}{2}$	11 $\frac{1}{2}$	12	12 $\frac{1}{2}$	14 $\frac{1}{2}$
Each	\$3.50	4.00	4.50	5.00	5.50	6.00

No. 104—102—In.	1 $\frac{1}{2}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$
Length, in.	14 $\frac{1}{2}$	14 $\frac{1}{2}$	15
Each	\$6.50	7.50	8.00

ONE DOZEN IN A BOX

TWIST DRILLS

BLACKSMITHS'



For Nos. 1 and 2 Prentice Drill Presses, Shanks
2½ Inches Long, ¼ Inch in Diameter.

No. 112—							
In.	1-8	5-32	3-16	7-32	1-4	9-32	5-16
Length, in.	4½	5½	5½	6	6	6	6
Each	\$0.45	.45	.50	.55	.60	.65	.70
No. 112—							
In.	11-32	3-8	13-32	7-16	15-32	1-2	17-32
Length, in.	6	6	6	6	6	6	6
Each	\$0.75	.80	.85	.90	.95	1.00	1.05
No. 112—							
In.	9-16	19-32	5-8	21-32	11-16	23-32	3-4
Length, in.	6	6	6	6	6	6	6
Each	\$1.10	1.20	1.30	1.40	1.50	1.60	1.70
No. 112—							
In.						7-8	1
Length, in.						6	6
Each						\$2.10	2.50

ONE DOZEN IN A BOX

MACHINISTS' HAND TAPS



Taper U. S. S. Threads.

1 in., 32 threads, right hand, w't ¼ lb.	each	\$0.35
3-16 in., 32 threads, right hand, w't ½ lbs.	each	.40



Taper.



Plug.



Bottoming.

U. S. S. RIGHT HAND TAPER, PLUG AND BOTTOMING

Diameter, in.	1-4	5-16	3-8	7-16	1-2
Threads to inch	20	18	16	14	13
W't. oz.	½	¾	1	1½	2
Each	\$0.45	.50	.55	.60	.70
Per set of three each Taper, Plug and Bottoming,					
	\$1.35	1.50	1.65	1.80	2.10
Diameter, in.	9-16	5-8	3-4	7-8	1
Threads to inch	12	11	10	9	8
W't. oz.	2½	3	5	7½	10
Each	\$0.80	.90	1.20	1.60	2.00
Per set of three, one each Taper, Plug and Bottoming,					
	\$2.40	2.70	3.60	4.80	6.00

When ordering state whether single or set is wanted.

LOOSE

BLACKSMITHS'



For Coe's and No. 3 Prentice Drill Presses, Shanks
2½ Inches Long, 41-64 Inch in Diameter.

No. 110—Diam., in.	1-8	5-32	3-16	7-32	1-4	9-32
Length, in.	4½	5½	6	6	6	6
Each	\$0.50	.55	.60	.65	.70	.75
No. 110—Diam., in.	5-16	11-32	3-8	13-32	7-16	15-32
Length, in.	6	6	6	6	6	6
Each	\$0.80	.85	.90	.95	1.00	1.05
No. 110—Diam., in.	1-2	17-32	9-16	19-32	5-8	21-32
Length, in.	6	6	6	6	6	6
Each	\$1.10	1.15	1.20	1.25	1.30	1.40
No. 110—Diam., in.	11-16	3-4	13-16	7-8	15-16	1
Length, in.	6	6	6	6	6	6
Each	\$1.50	1.70	1.90	2.10	2.30	2.50

LOOSE

TAPS

MACHINE SCREW



No. of gauge	2	3	4	5	6
Threads to inch	56	48	36	36	32
Each	\$0.45	.40	.40	.35	.35
No. of gauge	8	10	12	14	16
Threads to inch	32	24, 32	24	20, 24	18
Each	\$0.35	.40	.45	.45	.50

All the above numbers weigh less than an ounce.

LOOSE

S. A. E. PLUG HAND TAPS

FOR AUTOMOBILE USE

Diameter, in.	1-4	5-16	3-8	7-16	1-2	9-16
Threads to in.	28	24	24	20	20	18
W't., doz.	½	¾	1	1½	1½	2½
Each	\$0.45	.50	.55	.60	.70	.80
Diameter, in.					5-8	3-4
Threads to in.					18	16
W't., doz.					3	5
Each					\$0.90	1.20

BLACKSMITHS' TAPER



RIGHT HAND

Diameter, in.	1-4	5-16	3-8	7-16	1-2	5-8
Threads to inch	20	18	16	14	12, 14	12, 14
Each	\$0.45	.50	.55	.60	.70	.90

Specify Size Thread When Ordering.

HALF DOZEN IN A BOX

STOVE BOLT



Diameter, in.	3-16	1-4	5-16
Threads to inch	24	18	18
W't. oz.	½	¾	1
Each	\$0.35	.45	.50

LOOSE

BEAVER PIPE STOCKS AND DIES



No. 4—Beaver ratchet stock consists of only three parts. Is an easy-working receding die stock using narrow dies that ease the labor as the thread is cut; threads 1, 1½, 1½ and 2 in. pipe, in addition ¾ or 1 in. die heads can be furnished for this set; w't per 24 lbs., per set\$30.00
Extra Die Heads for No. 4—¾ or 1 in.,each \$5.50

STOCKS AND DIES



With Set Screw at End.

No. 23—3 sets of dies, 3 taps, one each ½x14, ¾x10, 1x9 right hand, w't 8½ lbs.per set \$12.00
No. 37—3 sets of dies, 6 taps, one each ½x22, ¾x22, 1x18, ¾x18, 1x14, 1x14 right hand, w't 4 lbs., per set\$10.20
No. 37A—3 sets of dies, 6 taps, one each ½x16, ¾x16, 1x14, ¾x14, 1x12, 1x12, w't 3½ lbs.per set \$10.20
No. 37B—3 sets of dies, 6 taps, one each ½x18, ¾x18, 1x16, ¾x16, 1x14 and 1x14 right hand, w't 3½ lbs., per set\$10.20
No. 41—3 sets of dies, 6 taps, one each ¾x26, 1x26, 1x20, ¾x20, ¾x16, 1x16 right hand, w't 2 lbs., per set\$9.00
No. 53—4 sets of dies, 4 taps, one each 1x32, ¾x24, 1x20, ¾x16 right hand, w't 1 lb.per set \$6.60

ONE SET IN A BOX

PIPE STOCK AND DIES



REED'S, Complete with Right Hand Dies.

All Reed stocks are made of malleable iron, all parts interchangeable, bushings are all machined, handles polished, and the ends carefully rounded.

No. 0SP—for pipe ½, ¾, 1 and 1½ in., w't 5½ lbs., per set\$9.80
No. 1SP—For pipe 1, 1½, 2 and 2½ in., w't 13½ lbs., per set\$11.50
No. 1½SP—For pipe 1½, 2 and 2½ in., w't 20 lbs., per set\$10.40
No. 2SP—For pipe 2½, 3 and 3½ in. with lead screw, w't 27 lbs., per set\$15.90

ONE SET IN A BOX

TAP WRENCHES

For Hand Taps, Hardened and Tempered Jaws, Ground and Polished Knurled Chuck.



Nos.	07	6	5
For taps	0 to 14	1 to 1½	1½ to 16
W't per doz., lbs.	2½	5	3
Per dozen	\$6.00	12.00	9.00

HALF DOZEN IN A BOX

"YANKEE" RATCHET TAP WRENCH

Right and Left Hand and Rigid



No. 250
No. 251

No. 1251

The distinguishing features are its adaptability, convenience, and efficiency for working in close quarters, corners, and inaccessible places.

The ratchet mechanism is the same construction used in other "Yankee" Tools. With the shifter at top, it is left hand; at bottom, right hand; and in center, rigid, as ordinary Tap wrench.

The crossbar is held central by a friction device and of ample leverage for even larger taps than the chuck will hold.

A knurled thumb piece at top of Wrench affords a ready means of starting in and backing out the tap quickly. In the end of this thumb piece is a countersunk hole to use Tap Wrench on lathe center when desired, for holding small drills, etc.

The cross arm can be readily withdrawn, so that little room is taken up in tool chest or drawer.

The ratchet and pawls are made of tool steel, hardened and tempered. The chuck has hardened steel jaws.

No. 250—Holds up to ¾ in. Taps, outside diameter of chuck ¾ in., length over all 3½ in., w't per doz. 4½ lbs., per dozen\$30.00
No. 251—Holds up to ¾ in. Taps, outside diameter of chuck ¾ in., length over all 3½ in., w't per doz. 6½ lbs., per dozen\$39.60
No. 1251—Same as No. 251 except length over all is 13 in. for work in steel cars, etc., and where long reach is necessary, w't per doz. 10½ lbs.per dozen \$50.40

ONE IN A BOX

TAP AND REAMER WRENCHES



Handles made from best steel tubing, capped and knurled, fine steel jaws, gun-metal finish.

Nos.	28	29	42
Length, in.	11	16	21
For taps	¾ to 1	1 to 1½	1½ to 1
W't per doz., lbs.	9	24	27
Per dozen	\$75.60	86.40	108.00

ONE IN A BOX

PIPE STOCKS AND DIES



No. 2A—Reed's, adjustable, with right hand dies for pipe $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{2}$ and 2 in., w't 18 lbs.per set \$13.20

ONE SET IN A FINISHED HARDWOOD BOX



REED'S, Complete with Right Hand Dies.

No. 2A—For pipe $\frac{1}{2}$, $\frac{3}{4}$, 1 and $1\frac{1}{2}$ in., w't 19 lbs., per set\$15.40

No. 3A—For pipe $1\frac{1}{2}$, 2 and 3 in., w't 39 lbs., per set\$19.80

ONE SET IN CASE

PIPE DIES



No. 11—Diam. $2\frac{1}{2}$ in., for No. 1 pipe stock and dies $\frac{1}{2}$, $\frac{3}{4}$, 1 and 1 in., w't 1 lb.,each \$2.20

No. 11—Diam. 3 in., for No. 1 pipe stocks and dies $\frac{1}{2}$, 1 and 1 in., w't $1\frac{1}{2}$ lbs.each \$2.70

No. 12—Diam. $3\frac{1}{2}$ in., for No. 2 pipe stock and dies $1\frac{1}{2}$, 2 and $2\frac{1}{2}$ in., w't 2 lbs.each \$3.80

STOCK AND DIES



These stocks have a positive setting arrangement without the use of any thumb screws or friction clamps of any kind. The dies are controlled by lever handle on top as shown in illustration. By moving this handle to the right as far as it will go, the dies are set and held in place while cutting. One movement of the top lever handle will open or close the dies. No resetting or backing off the threads.

The tool is equipped with adjustable guides which do away with loose bushings. These guides are operated on a scroll and can be set for all sizes the tool will thread. The scroll is constructed so that the guides are held in any position without locking. The more pressure on the ends of the guides, the more solid the locking arrangement. Great pressure on the ends of the guides only tends to lock them more firmly in position.

No. 102—Three sets dies for threading $\frac{1}{2}$, $\frac{3}{4}$, 1 and $1\frac{1}{2}$ in. pipe, w't per set 20 lbs.per set \$20.40

No. 103—Two sets dies for threading 1, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 in. pipe, w't per set 27 lbs.per set \$26.40

No. 104—Three sets dies for threading $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 in. pipe, w't per set 29 lbs.per set \$30.00

No. 104—Four sets dies for threading $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 in. pipe, w't per set 30 lbs.per set \$33.60

No. 105—Two sets dies for threading $1\frac{1}{2}$, 2, $2\frac{1}{2}$ and 3 in. pipe, w't per set 62 lbs.per set \$48.00

ONE SET IN A BOX



No. 6—Beaver, threads $\frac{1}{2}$, $\frac{3}{4}$, 1 and $1\frac{1}{2}$ in. pipe, without changing dies or bushings. The two sets of dies are operated by a single adjusting handle, simply set to size and the thread may be cut in less time than it takes to change the dies in other tools. Will cut deep or shallow threads, w't per set 12 lbs., per set\$24.00



Illustration of No. 25.

No. 25—Beaver, threads 1, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 in. pipe without changing dies or bushings. Can be instantly adjusted to cut any of the four sizes, w't per set 30 lbs., per set\$36.00

No. 26—Beaver Ratchet Stock, threads 1, $1\frac{1}{2}$, $1\frac{3}{4}$ and 2 in pipe without changing dies or bushings. Same construction as No. 25 except has ratchet operation, making it cut easier, w't per set 35 lbs.per set \$42.00

STOCKS AND DIES



These stocks are used in pump installation and repair work to thread the ends of pump rods ready for the couplings.

No. 900—Pump Makers', 15 in. stock with one each $\frac{1}{4} \times 14$, and one $\frac{7}{16} \times 12$ die, w't each 1 $\frac{1}{2}$ lbs., per set\$6.40

ONE SET IN A BOX



Dies change instantly by pulling the pawl and dropping one die out and inserting another. A simple tool, operates easily.

No. 00—Toledo, ratchet stock with die heads for threading $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ in. pipe, w't per set 9 lbs., per set\$26.60

ONE SET IN A BOX



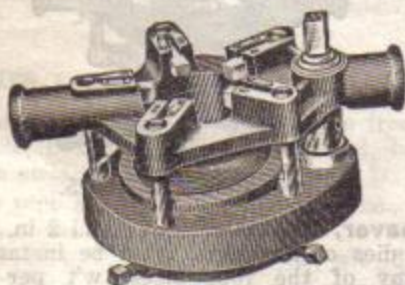
Toledo Adjustable.

No. 0T—Contains 24 in. stock and 3 sets R. H. dies for threading $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ in. pipe, w't per set 8 lbs., per set\$20.80

ONE SET IN A BOX

EXTRA DIES

No. 5—For No. 0T sizes $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ in.each \$2.80

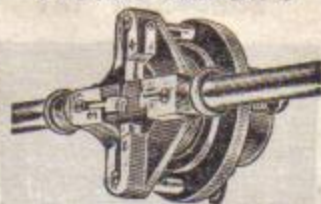


TOLEDO

No. 2—With ratchet, contains stock and four sets R. H. Dies for $2\frac{1}{2}$, 3 , $3\frac{1}{2}$ and 4 in. pipe, w't per set 103 lbs., per set\$110.00

ONE SET IN A BOX

STOCKS AND DIES



NO. 1T WITHOUT RATCHET.

No. 1T—Contains stock and 4 sets R. H. dies for threading $1\frac{1}{2}$, $1\frac{1}{2}$ and 2 in. pipe, w't per set 19 lbs., per set\$26.40

One man can easily thread a 2 in. pipe with this tool.

ONE SET IN A BOX

NO. 1A WITH RATCHET.

No. 1A—Contains stock and four sets R. H. dies for threading $1\frac{1}{2}$, $1\frac{1}{2}$ and 2 in. pipe, w't per set 22 lbs., per set\$33.00

ONE SET IN A BOX

EXTRA DIES

No. 10—For Nos. 1T and 1A,

Sizes $1\frac{1}{2}$ ad $1\frac{1}{2}$ in.each \$2.00
Size 2 in.each \$3.00

No. 1A may be used with two handles as die stock or with one handle inserted in the ratchet case. Desirable for threading pipe down in a trench or against walls, etc. A boy can thread a 2 in. pipe with it.

PIPE TAPS



Nos.	171	172	173	174	176
Size	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$
W't, oz.	1 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{1}{2}$	7 $\frac{1}{2}$	12 $\frac{1}{2}$
Each	\$0.70	.90	1.20	1.40	2.00

Nos.	178	1710	1712	1716
Size	1	$1\frac{1}{2}$	$1\frac{1}{2}$	2
W't, oz.	20 $\frac{1}{2}$	30 $\frac{1}{2}$	47	65
Each	\$3.20	4.00	5.20	8.00

ONE IN A BOX

PIPE REAMERS



Nos.	181	182	183	184	186
Size	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$
W't, oz.	1 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{1}{2}$	6 $\frac{1}{2}$	12
Each	\$0.90	1.10	1.45	1.80	2.50

Nos.	188	1810	1812	1816
Size	1	$1\frac{1}{2}$	$1\frac{1}{2}$	2
W't, oz.	20	29	45	62
Each	\$4.00	4.50	6.00	9.00

ONE IN A BOX

OPENING DIE SCREW PLATES



U. S. S. Thread.

Special attention is called to the opening dies, which are opened or closed by a single movement of lever on side of stock. After thread has been cut a movement of the lever throws the dies open so that the entire tool may be quickly lifted off, thus wasting no time in turning back over finished work. Prevents the marring or stripping of thread caused by chips and also increases the life of die.

- No. 11—26 in. stock, adjustable tap wrench and 5 sizes taper taps, dies and collets cutting $\frac{1}{2} \times 20$, $\frac{5}{16} \times 18$, $\frac{3}{8} \times 16$, $\frac{7}{16} \times 14$ and $\frac{1}{2} \times 13$ U. S. thread, w't per set 11 lbs., per set\$25.90
- No. 22—26 in. stock, adjustable tap wrench and 5 sizes taper taps, dies and collets cutting $\frac{1}{2} \times 20$, $\frac{3}{8} \times 16$, $\frac{1}{2} \times 13$, $\frac{7}{16} \times 11$ and $\frac{3}{4} \times 10$ V U. S. thread, w't per set 18 lbs., per set\$32.00
- No. 55—26 in. stock, adjustable tap wrench and 7 sizes taper taps, dies and collets cutting $\frac{1}{2} \times 20$, $\frac{5}{16} \times 18$, $\frac{3}{8} \times 16$, $\frac{7}{16} \times 14$, $\frac{1}{2} \times 13$, $\frac{3}{4} \times 11$ U. S. thread, w't per set 18 lbs., per set\$38.50
- No. 77—26 in. stock, adjustable tap wrench and 9 sizes taper taps, dies and collets cutting $\frac{1}{2} \times 20$, $\frac{5}{16} \times 18$, $\frac{3}{8} \times 16$, $\frac{7}{16} \times 14$, $\frac{1}{2} \times 13$, $\frac{3}{4} \times 11$, $\frac{1}{2} \times 10$, $\frac{3}{4} \times 9$ and 1×8 U. S. thread, w't per set 27 lbs.,per set \$58.80

EACH SET IN A HANDSOME HARDWOOD CASE

RUSSELL SCREW PLATES



Hardwood case nicely finished. Dies are made double reversible so they will cut from either face. The dies, when reversed, bring the new set of cutting edges into action, thus making one die last as long as two of the old style.

- No. 1R— $\frac{1}{4}$ to $\frac{1}{2}$ in., 5 sizes, contains 15 in. stock, tap wrench, bit brace attachment, 5 taps and dies cutting $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$ and $\frac{1}{2}$ in. U. S. S. bolt size, w't per set 3 lbs.,per set \$23.30
- No. 2R— $\frac{1}{4}$ to $\frac{3}{4}$ in., 5 sizes, contains 23 in. stock, tap wrench, bit brace attachment, 5 taps and dies cutting $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$ and $\frac{7}{16}$ in. U. S. S. bolt sizes, w't per set 17 lbs.,per set \$28.60
- No. 4R— $\frac{1}{4}$ to 1 in., 5 sizes, contains 26 in. stock, tap wrench, 5 taps and dies cutting $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$ and 1 in. U. S. S. bolt sizes, per set 20 lbs.,per set \$36.80
- No. 5R— $\frac{1}{4}$ to $\frac{3}{4}$ in., 7 sizes, contains 23 in. stock, tap wrench, bit brace attachment, 7 taps and dies cutting $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$ and $\frac{3}{4}$ in. U. S. S. bolt sizes, w't per set 20 lbs.,per set \$34.60

RUSSELL SCREW PLATES

Hardwood case nicely finished. Dies are made double reversible so they will cut from either face. The dies, when reversed, bring the new set of cutting edges into action, thus making one die last as long as two of the old style.



- No. 7R— $\frac{1}{4}$ to 1 in., 9 sizes, contains 26 in. stock, tap wrench, bit brace attachment, 9 taps and dies cutting $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{7}{8}$ and 1 in. U. S. S. bolt sizes, w't per set 27 lbs.,per set \$52.90

RUSSELL AUTOMOBILE SCREW PLATES



- No. 108 $\frac{1}{2}$ — $\frac{1}{4}$ to $\frac{3}{4}$ in., 16 sizes, contains one each 15 in. and 23 in. stock, two tap wrenches, bit brace attachment, 8 taps and dies cutting $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$ and $\frac{7}{8}$ in. U. S. S. bolt sizes, 8 taps and dies cutting $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, $\frac{1}{2}$, $\frac{5}{8}$ and $\frac{3}{4}$ in. S. A. E. bolt sizes, w't per set 31 lbs., per set\$70.60



- No. 215—Contains two stocks $6\frac{1}{2}$ and 14 in. long, and two adjustable Tap Wrenches. 23 Taps and Dies Cutting Machine Screw. Sizes 2x56, 3x48, 4x36, 6x32, 8x32, 10x24, 12x24, 14x20, 16x18, 18x18. U. S. Standard Thread $\frac{5}{16} \times 24$, $\frac{1}{2} \times 20$, $\frac{5}{8} \times 18$, $\frac{3}{4} \times 16$, $\frac{7}{8} \times 14$ and 1×13 . S. A. E. Sizes 1×28 , $\frac{5}{8} \times 24$, $\frac{3}{4} \times 24$, $\frac{1}{2} \times 20$, $\frac{5}{8} \times 18$ and $\frac{3}{4} \times 18$. Diameter of small dies $1\frac{1}{16}$ in., diameter of large dies $1\frac{1}{2}$ in., w't per set 12 lbs., each\$38.40

ONE SET IN A NICELY FINISHED CASE

SCREW PLATES



No. 152.

GREEN RIVER, oiled hardwood case.

No. 156—With stock, tap wrench—fitting in stock—and 5 sizes taps, dies and guides, sizes $\frac{1}{4} \times 40$, $\frac{5}{16} \times 32$, $\frac{3}{8} \times 24$, $\frac{7}{16} \times 24$ and $\frac{1}{2} \times 20$, stock 6 in. long, diameter of dies $\frac{3}{8}$ in., w't per set $1\frac{1}{2}$ lbs.per set \$14.00

No. 152—With stock, tap wrench—fitting in stock—and 7 sizes taps, dies and guides, sizes $\frac{3}{16} \times 56$, $\frac{1}{4} \times 40$, $\frac{5}{16} \times 40$, $\frac{3}{8} \times 32$, $\frac{7}{16} \times 24$, $\frac{1}{2} \times 24$ and $\frac{1}{2} \times 20$, stock 6 in. long, diameter of dies $\frac{3}{8}$ in., w't per set $1\frac{3}{4}$ lbs.per set \$18.00



GREEN RIVER, oiled, hardwood case, U. S. S. thread.

Do the work in a single cut. Die is adjustable for wear and to make bolts or nuts fit tightly or loosely as desired.

No. 5002—With stock, adjustable tap wrench and 5 sizes taps, dies and guides, sizes $\frac{1}{4} \times 20$, $\frac{5}{16} \times 16$, $\frac{3}{8} \times 13$, $\frac{7}{16} \times 11$, $\frac{1}{2} \times 10$, stock 22 in. long, diameter of dies $2\frac{1}{16}$ in., w't per set 14 lbs.\$30.30

No. 5005—With stock, adjustable tap wrench and 7 sizes taps, dies and guides, sizes $\frac{1}{4} \times 20$, $\frac{5}{16} \times 18$, $\frac{3}{8} \times 16$, $\frac{7}{16} \times 14$, $\frac{1}{2} \times 13$, $\frac{5}{8} \times 11$ and $\frac{3}{4} \times 10$, stock 22 in. long, diameter of dies $2\frac{1}{16}$ in., w't per set 16 lbs.per set \$36.60

No. 5007—With stock, adjustable tap wrench and 9 sizes taps, dies and guides, sizes $\frac{1}{4} \times 20$, $\frac{5}{16} \times 18$, $\frac{3}{8} \times 16$, $\frac{7}{16} \times 14$, $\frac{1}{2} \times 13$, $\frac{5}{8} \times 11$, $\frac{3}{4} \times 10$, $\frac{7}{8} \times 9$, 1×8 , stock 29 in. long, diameter of dies $2\frac{1}{16}$ in., w't per set 29 lbs.per set \$56.00



GREEN RIVER, for Automobile Use, Oiled Hardwood Case, S. A. E. Thread.

No. 5031—With stock, adjustable tap wrench and 5 sizes taps, dies and guides, sizes $\frac{1}{4} \times 28$, $\frac{5}{16} \times 24$, $\frac{3}{8} \times 24$, $\frac{7}{16} \times 20$, $\frac{1}{2} \times 20$, stock 18 in. long, w't per set 11 lbs., per set\$24.60

No. 5037—With stock, adjustable tap wrench and 11 sizes taps, dies and guides, sizes $\frac{1}{4} \times 28$, $\frac{5}{16} \times 24$, $\frac{3}{8} \times 24$, $\frac{7}{16} \times 20$, $\frac{1}{2} \times 20$, $\frac{5}{16} \times 18$, $\frac{3}{8} \times 18$, $\frac{1}{2} \times 16$, $\frac{5}{8} \times 16$, $\frac{3}{4} \times 14$ and 1×14 , stock 22 in. long, w't per set 22 lbs.\$64.30



No. 1470—Automobile, with stock and 7 sizes round adjustable dies and plug taps, sizes $\frac{1}{4} \times 28$, $\frac{5}{16} \times 24$, $\frac{3}{8} \times 24$, $\frac{7}{16} \times 20$, $\frac{1}{2} \times 20$, $\frac{5}{16} \times 18$ and $\frac{3}{8} \times 18$, S. A. E. standard thread, complete in handsome leather roll, w't $3\frac{1}{2}$ lbs., per set\$27.30

THE EASY



Champion Easy Combination

Champion Easy combination. These sets are well made, are put up in a nicely finished case and are especially suitable for garage repair work.

No. 111—Contains one $15\frac{1}{2}$ in. stock, one adjustable tap wrench, 10 taps and dies cutting $\frac{1}{4} \times 20$, $\frac{5}{16} \times 18$, $\frac{3}{8} \times 16$, $\frac{7}{16} \times 14$, $\frac{1}{2} \times 13$, U. S. Standard Threads and $\frac{1}{4} \times 28$, $\frac{5}{16} \times 24$, $\frac{3}{8} \times 24$, $\frac{7}{16} \times 20$, $\frac{1}{2} \times 20$, S. A. E. Standard Threads, w't per set 11 lbs.per set \$25.20

No. 151—Contains two stocks $15\frac{1}{2}$ and 23 in. long, one adjustable tap wrench, 16 taps and dies cutting 14×20 , $\frac{5}{16} \times 18$, $\frac{3}{8} \times 16$, $\frac{7}{16} \times 14$, $\frac{1}{2} \times 13$, $\frac{5}{16} \times 12$, $\frac{3}{8} \times 11$, $\frac{1}{2} \times 10$, U. S. Standard Threads and $\frac{1}{4} \times 28$, $\frac{5}{16} \times 24$, $\frac{3}{8} \times 24$, $\frac{7}{16} \times 20$, $\frac{1}{2} \times 20$, $\frac{5}{16} \times 18$, $5-18 \times 18$, $\frac{3}{8} \times 16$, S. A. E. Standard Threads, w't per set 21 lbs.per set \$48.40

SCREW PLATES

These taps and dies make perfect threads at one cut. The claim for the adjustable dies is its solidity, the impossibility of stripping of threads, its perfect adjustment, its simplicity, durability and strength, doing away with all taper-pointed and cup-headed screws, common in many makes of dies. U. S. Standard threads always furnished unless otherwise specified.



Sectional view of die and collet.



G. T. D.

G. T. D., adjustable round dies 13-16 inch in diameter, with stock 6 1/2 in. long, tap wrench is made by inserting adjustable socket in stock.

- No. 5D—5 taps, 5 dies cutting 4-36, 6-32, 8-32, 10-24, 12-24, 14-20, w't per set 1 1/2 lbs.per set \$10.70
- No. 5DD—5 taps, 5 dies, cutting 1-40, 3/8-32, 1/2-24, 5/8-24, 3-24, 1-20, w't per set 1 1/2 lbs.per set \$10.70
- No. 6D—6 taps, 6 dies, cutting 4-36, 6-32, 8-32, 10-24, 12-24, 14-20, w't per set 1 1/2 lbs.per set \$12.00
- No. 6DD—6 taps, 6 dies, cutting 1-40, 3/8-32, 1/2-24, 5/8-24, 3-24, 1-20, 3/8-20, w't per set 1 1/2 lbs., per set...\$12.00
- The dies in Nos. 5D and 6D are machine screw thread.



- No. 2—“Little Giant,” 14 1/2 in. stock, 5 taper taps, 5 dies, 2 in. collets, 10 1/2 in. adjustable tap wrench, cutting 1-20, 3/8-18, 1/2-16, 5/8-14, 3-13, w't per set 7 1/2 lbs., per set\$24.60
- LITTLE GIANT, 23 in. stock, taper taps, dies, 15 in. adjustable tap wrench, 2 1/2 in. collets.
- No. 5—7 taps, 7 dies, cutting 1-20, 3/8-18, 1/2-16, 5/8-14, 3-13, 1-11, 3-10, w't per set 19 1/2 lbs.per set \$36.60



- No. 3—“Little Giant,” one 14 1/2 in. stock, one 26 in. stock, 15 in. adjustable tap wrench, 7 taper taps, 7 dies, cutting 1-20, 3/8-18, 1/2-16, 5/8-14, 3-13, 3-11, 3-10, w't per set 27 lbs.per set \$40.00
- No. 4—“Little Giant,” one 14 in. stock, one 29 in. stock, one 26 in. and one 20 in. adjustable tap wrench, 9 taper taps, 9 dies, cutting 1-20, 3/8-18, 1/2-16, 5/8-14, 3-13, 3-11, 3-10, 3-8, 1-8, w't per set 27 lbs.per set \$58.00
- Collets for four smaller sizes 2 in. in diameter, for larger sizes 12 in. in diameter.



Split die.

CHAMPION EASY.



All U. S. S. thread.

- No. 1B—15 1/2 in. stock, adjustable tap wrench, 5 taper taps and dies, cuts 1-20, 3/8-18, 1/2-16, 5/8-14 and 3-13, w't per set 8 lbs.per set \$16.20

- No. 2B—Two stocks, 15 1/2 and 23 in. long, adjustable tap wrench, 5 taper taps and dies, cuts 1-20, 3/8-16, 1/2-13, 5/8-11 and 3-10, w't per set 14 lbs.per set \$21.30



- No. 5B—Two stocks, 15 1/2 and 23 in. long, adjustable tap wrench, 7 taper taps and dies, cut 1-20, 3/8-18, 1/2-16, 5/8-14, 3-13, 3-11 and 3-10, w't per set 16 lbs., per set\$25.20



Simple in construction, neat in design. Die adjusted by use of taper, head screw with taper nut, thus being braced on both sides of die making it rigid and solid. Well made and guaranteed.

- No. 7B—Two stocks, 15 1/2 and 26 in. long, adjustable tap wrench, 9 taps and dies, cuts 1-20, 3/8-18, 1/2-16, 5/8-14, 3-13, 3-11, 3-10, 3-9 and 1-8, w't per set 20 lbs., per set\$37.20

BIT BRACES

EVE BALL BEARING RATCHET

Nickel plated, ball bearing, metal clad cocobola head and handle, adjustable handle collars, spindle and chuck body made from one piece of steel.



Alligator pattern, toothed forged steel jaws, anti-friction washer, knurled thimble ratchet adjustment and swell-end chuck.

No. 1908	Sweep, in.	6	8	10	12	14
W't, doz., lbs.		33	35	38	41	43
Per dozen		\$70.00	70.70	71.70	74.00	76.00

Extra Jaws per dozen \$8.00

TWO IN A BOX



Universal jaws holding square, taper or round shank drills up to 1/2 in. diameter, ball bearing chuck sleeve with case hardened hood.

No. 1914	Sweep, in.	8	10	12	14	16
W't, doz., lbs.		40	42	45	48	51
Per dozen		\$86.30	87.70	89.90	92.00	97.20

Extra Jaws per dozen \$9.00

TWO IN A BOX

EVE CORNER

Power is applied by milled steel bevel gears. Gearing is fully enclosed by metal caps.



Nickel plated steel frame, sweep and chuck, metal clad cocobola head, cocobola handle, drop forged steel jaws, length 18 1/2 inches.

No. 55	Sweep, in.	8	10
W't, doz., lbs.		48	52
Per dozen		\$103.70	113.20

HIBBARD RATCHET



Nickel plated steel shank, extra knurled steel sleeve, metal clad cocobola head and handle, forged steel jaws, anti-friction washer above chuck.

Nos.	33	32	31
Sweep, in.	8	10	12
W't, doz., lbs.	27	31 1/2	33
Per dozen	\$60.00	61.50	63.60

Extra Jaws per dozen \$5.00

HALF DOZEN IN A BOX

REVONOC RATCHET



Nickel plated steel shank and sleeve, stained head and handle, steel jaws.

	Nickel Plated.			Polished.		
Nos.	1008	1010	1012	2608	2610	2612
Sweep, in.	8	10	12	8	10	12
W't, doz., lbs.	27	29	33	27	27 1/2	30
Per dozen	\$42.50	43.00	43.60	37.20	37.70	38.40

Extra Jaws per dozen \$4.50

HALF DOZEN IN A BOX

REVONOC PLAIN



Steel shank and sleeve, stained head and handle, steel jaws.

	Nickel Plated.		Polished.		
Nos.	208	210	2308	2310	2312
Sweep, in.	8	10	8	10	12
W't, doz., lbs.	21	23	22	24 1/2	28
Per dozen	\$27.00	27.60	21.60	22.10	22.70

Extra Jaws per dozen \$4.50

HALF DOZEN IN A BOX

STANLEY'S BALL BEARING RATCHET



Nickel plated steel shank and sleeve, metal clad cocobola ball bearing head, cocobola handle, forged steel, alligator jaws, concealed ratchet.

Nos. 321—

Sweep, in.	8	10
W't per doz., lbs.	33	37
Per dozen	\$73.40	74.90

Sweep, in.	12	14
W't per doz., lbs.	40	42
Per dozen	\$77.70	80.30

Extra Jawsper dozen \$8.00
HALF DOZEN IN A BOX

STANLEY'S UNIVERSAL BALL BEARING RATCHET



Full nickel plated, metal clad, ball bearing cocobola heads.

Universal jaws for both wood and metal workers, holds round shank bits and drills $\frac{1}{8}$ to $\frac{1}{2}$ in., and taper shank as large as No. 2 Clark's expansive bit, concealed ratchet.

Nos. 301—

Sweep, in.	8	10	12	14
W't doz., lbs.	36	40	44	46
Per dozen	\$86.00	87.50	90.00	92.00

TWO IN A BOX

SAMSON BALL BEARING RATCHET



Nickel plated steel shank and fittings, ball bearing metal clad cocobola head, cocobola handle, Samson ball bearing milled chuck, holding round shank, bits or drills, forged steel alligator jaws.

Nos. 8008B 8010B 8012B 8014B

Sweep, in.	8	10	12	14
W't doz., lbs.	37	41	44	46
Per dozen	\$87.00	88.60	90.60	92.70

Extra Jawsper dozen \$9.00
TWO IN A BOX

BIT BRACES

PECK'S BALL BEARING RATCHET



Nickel plated steel shank and sleeve, metal clad cocobola ball bearing head, head, cocobola handle, forged steel jaws.

Nos. 7008 7010 7012 7014

Sweep, in.	8	10	12	14
W't doz., lbs.	35	39½	41	43
Per dozen	\$71.20	72.80	74.90	77.00

Extra Jawsper dozen \$8.00
TWO IN A BOX

PEXTO BALL BEARING RATCHET



Full nickel plated, steel shank and knurled sleeve, open ratchet, alligator jaws, metal clad head with ball bearing cup and washer, head and handle ebonized finish.

Nos. 5308 5310 5312

Sweep, in.	8	10	12
W't per doz., lbs.	29	32	34
Per dozen	\$49.30	50.60	52.20

HALF DOZEN IN A BOX

FRAY'S BALL BEARING RATCHET



Nickel plated steel shank and fittings, cocobola metal clad head, ball bearing, cocobola handle.

Adjustable to square and round shank bits $\frac{1}{8}$ in. and larger.

Nos. 66 86 106

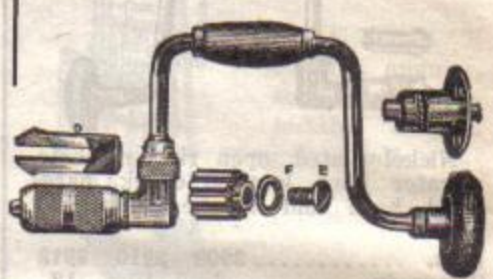
Sweep, in.	6	8	10
W't doz., lbs.	25	29	32
Per dozen	\$69.00	69.20	70.70

Nos. 126 146

Sweep, in.	12	14
W't per doz., lbs.	40	42
Per dozen	\$72.60	74.80

Extra Jawsper dozen \$9.00
HALF DOZEN IN A BOX

MILLERS FALLS BALL BEARING RATCHET



Full nickel plated, ball bearing head, cocobola head and handle. Has the Hold All Chuck which takes bit stock shanks and round shanks. $\frac{1}{8}$ to $\frac{1}{2}$ in. in diameter, also No. 1 Morse taper shanks. This is one of the most popular numbers.

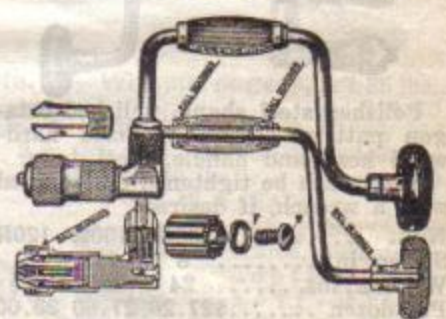
Nos. 733 732 731 730

Sweep, in.	8	10	12	14
W't doz., lbs.	37½	42	44	51
Per dozen	\$76.00	76.70	80.80	83.40

TWO IN A BOX

Extra Jawsper dozen \$8.00

Millers Falls Ratchet Braces.



Full nickel plated, metal clad, ball bearing cocobola head and handle. Has the Lion ball bearing chuck which takes bit stock shanks, and round shanks from $\frac{1}{8}$ to $\frac{1}{2}$ in. in diameter, also No. 1 Morse Taper shanks. This chuck makes it possible to lock any style shank with a tremendous grip. All ball bearing parts including the ratchets have rust proof coverings.

Nos. 827 871 870

Sweep, in.	10	12	14
W't doz., lbs.	45	48	53
Per dozen	\$106.40	111.00	113.70

TWO IN A BOX

Extra Jawsper dozen \$8.00

PEXTO RATCHET BIT BRACES



Nickel plated, open ring ratchets, alligator jaws, knurled chuck, hardwood head and handle, mahogany finish.

Nos.	3908	3910	3912
Sweep, in.	8	10	12
W't doz., lbs.	26	27	28
Per dozen	\$36.50	37.00	37.80



Nickel plated, open ratchet, alligator jaws, knurled sleeve, half clad head, nicely finished.

Nos.	3908	3910	3912
Sweep, in.	8	10	12
W't doz., lbs.	26	28	29
Per dozen	\$42.90	43.40	44.00

CRUSO BIT BRACES



Polished steel shank, polished octagon pattern sleeve, ebonized hardwood head and handle, steel jaws.

Sleeve can be tightened or loosened with a wrench, if desired.

Nos.	80R	100R	120R
Sweep, in.	8	10	12
W't doz., lbs.	24	26	29½
Per dozen	\$27.20	27.60	28.00
Extra Jaws	per dozen	\$3.00	



PLAIN

Polished steel shank, polished octagon pattern sleeve, ebonized hardwood head and handle, steel jaws.

Sleeve can be tightened or loosened with a wrench, if desired.

Nos.	8P	10P	12P
Sweep, in.	8	10	12
W't per doz., lbs.	20½	23	25
with wrench, if desired.			
Per dozen	\$15.30	15.70	16.10
Extra Jaws	per dozen	\$3.00	

HALF DOZEN IN A BOX

SPOFFORD'S PLAIN BIT BRACES



Nickel plated steel shank, split socket, with thumb screw, cocobola head and handle.

Nos.	108	110	112
Sweep, in.	8	10	12
W't doz., lbs.	19	20½	21½
Per dozen	\$60.00	63.60	66.00

HALF DOZEN IN A BOX

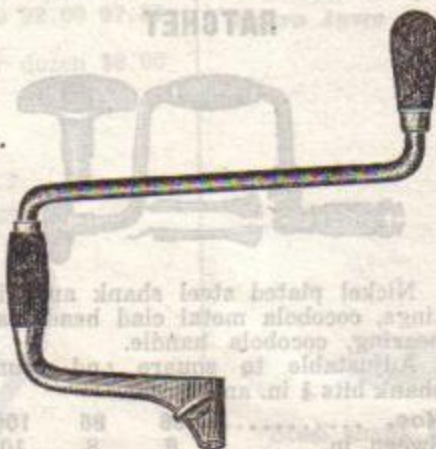
COMMON BALL BIT BRACES



No. 30—Plain, 10 in. sweep, bright steel shank, malleable bit socket, with thumb screw, beechwood head and handle, w't per doz. 12 lbs., per dozen

HALF DOZEN IN A BOX

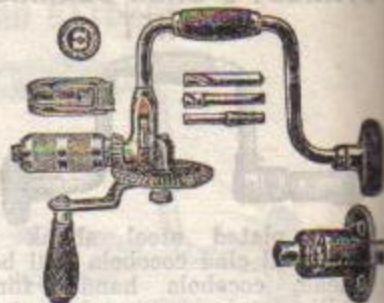
WHIMBLE BIT BRACES



No. 12W—12 in. sweep, nickel plated steel shank, Cocobola Handles, split socket with thumb screw, for millwright, ship carpenters, etc., w't per doz. 33 lbs. per dozen \$60.00

HALF DOZEN IN A BOX

MILLERS FALLS DRILLS

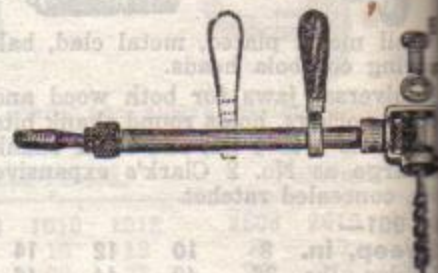


The gear wheel can be removed leaving a ratchet brace. The jaws are forged steel and will center and firmly round twist drills from ¼ in. diameter, also tool shanks of any size or shape.

No. 182—10 in. sweep, nickel plated steel bow and chuck, light metal ball bearing head, rosewood handle, detachable gear for use as a drill per dozen

ONE IN A BOX. WT 57 LBS. PER DOZEN

SILL BORERS



No. 051—Miller's Falls, jappaned malleable iron frame, length 15 in. per doz. 40 lbs. per dozen \$84.00

ONE IN A BOX

UNIVERSAL AUGER BIT STOCK



No. 108—Length 12 in., jappaned with nickel plated trimmings, for use as bit brace or breast drill, for drilling at an angle. Has Master Chuck which takes bit stock and taper shanks, also round shank drills from ¼ to 1 in. in diameter. Angle of boring can be adjusted to any point from 180 degrees to 125 degrees, w't per doz. 26 lbs. per dozen \$60.00

ONE IN A BOX

CHAIN DRILL ATTACHMENTS



No. 73 CVD—Automatic feed, knurled bit brace chuck, for square or round shank drills, japanned frame, polished chuck, w't per doz. 33 lbs., per dozen \$80.00
ONE IN A BOX

No. 75 CVD—Plain chuck, for 1/2 in. round shank drills, japanned frame, polished chuck, semi-automatic feed, w't per doz. 27 lbs., per dozen \$32.00



No. 77 CVD—Plain chuck, for bit stock drills, japanned frame, polished chuck, semi-automatic feed, w't per doz. 27 lbs., per dozen \$32.00

No. 79 CVD—Knurled bit brace chuck, for square or round shank drills, japanned frame, polished chuck, semi-automatic feed, w't per doz. 33 lbs., per dozen \$64.00

Wonder.

No. 14E—Automatic nickel plated brace chuck, for bit stock drills and round shank drills 1/8 to 1/2 in., w't per doz. 33 lbs., per dozen \$54.00

CHAIN DRILL ATTACHMENTS

Wonder.

No. 10A—Plain socket, polished, for 1/2 in. round straight shank drills, w't per doz. lbs., per dozen \$26.40

No. 11B—Plain socket, polished for bit stock drills, w't per doz. lbs., per dozen \$26.40

No. 12C—Brace chuck, nickel plated, for bit stock drills, and 1/8 to 1/2 in. round shank drills, w't per doz. lbs., per dozen \$42.00

ONE IN A BOX



YANKEE



No. 500—Two jaw chuck, polished and nickel plated, length 3 1/2 in., with hexagon to use wrench in tightening large drills. Drop forged steel jaws, alligator pattern, chuck holds up to 1/2 in. drills with square shanks, length over all 10 1/2 in., w't per doz. 40 lbs., per dozen \$.....

ONE IN A BOX

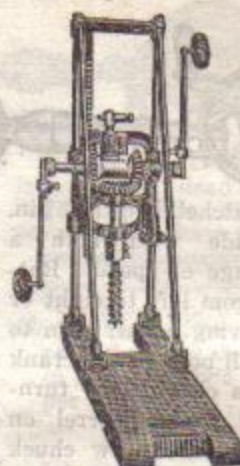


YANKEE

No. 1500—Three jaw chuck, polished and nickel plated, length 2 1/2 in., diam. 1 1/2 in., tool steel jaws, chuck holds up to 1/2 in. round shank drills only, length over all 9 1/2 in., w't, per doz., 39 lbs. Per dozen \$.....

ONE IN A BOX

BORING MACHINES



MILLER'S FALLS, angular, steel frame, adjustable depth gauge, self-withdrawing auger, extension crank.

No. T4—Without augers, w't 40 lbs., each \$30.00

No. T14—With one each No. 12, 1, 1 1/2 and 2 in. cast steel ball bearing augers, w't 45 lbs., each \$38.00

ONE IN A CASE

Upright, wood frame, adjustable depth gauge, self-withdrawing auger.



No. T5—Without augers, w't 35 lbs., each \$14.70

No. T15—With one each, 1, 1 1/2 and 2 in. No. 128 cast steel ball bearing augers, w't 40 lbs., each \$22.00

ONE IN A CRATE

Angular, wood frame, adjustable depth gauge, self-withdrawing auger.

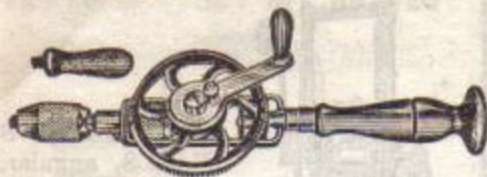


No. T2—Without augers, w't 33 lbs., each \$15.40

No. T12—With one each, 1, 1 1/2 and 2 in. No. 128 cast steel ball bearing augers, w't 45 lbs., each \$23

ONE IN A CRATE

HAND DRILLS



No. 190 **GYE**—Ratchet, length 15½ in. Large size made with both a ratchet and change of speed. Ratchet is shifted from left to right or vice versa by giving a half turn to the cap of a small boss on the crank handle. Speed is changed by turning the knurled thumb barrel on drill shaft. Has three jaw chuck holding round shank drills up to ½ in. in diameter. The hollow end handle is detachable and holds drills up to capacity of chuck, no drills are included. Malleable iron frame black japanned, drive wheel is blue, other parts nickel plated, w't per doz. 40 lbs.per dozen \$.....

ONE IN A BOX

HIBBARD HAND DRILL



No. 192—Length 11½ in., has a solid steel frame with a detachable side handle and hollow end with screw cap, single gear, springless three jaw chuck which takes drills up to ¾ in., no drills included, large gear is blue, other metal parts nickel plated, w't per doz. 18 lbs., per dozen\$.....

ONE IN A BOX

HAND DRILLS



No. 1430—Length 10½ in., malleable iron frame, dead block finish, 3 jaw chuck holding round shank drills up to ¾ in. in diameter, hardwood handle, nickel plated trimmings, w't per dozen 15 lbs. ...per dozen \$60.00

ONE IN A BOX

HAND DRILLS



YANKEE, two speed malleable iron frame, dead black finish, ball bearing detachable handle for holding drills, nickel plated chuck holding drills up to ¾ in., can be changed from single to double speed by means of shifter on frame, length 15½ in.

No. 445—2 jaw chuck, w't per doz. 42 lbs.per dozen \$108.00

No. 1445—3 jaw chuck, w't per doz. 42 lbs.per dozen \$108.00

ONE IN A BOX



YANKEE, two speed, malleable iron frame, finished in dead black, bright parts nickel plated and polished, length 16½ in., with right and left hand ratchet movement, chuck holds either square or round, shank drills or other tools up to ¾ in., detachable and hollow handles instead of breast plate, which can be held in hand or against body and which can be used as a magazine for holding drills.

No. 545—2 jaw chuck, w't per doz. 52 lbs.per dozen \$160.80

No. 1545—3 jaw chuck, w't per doz., 52 lbs.per dozen \$160.80

ONE IN A BOX



No. 980—Miller's Falls, malleable iron frame, length 15½ in., stained hardwood handles, nickel plated trimmings double speed, which can be instantly changed without removing bit from work, detachable hollow end handle, with receptacle for holding twist drills, 3 jaw chuck holding round shank drills up to ¾ in. diameter, w't per doz. 42 lbs., per dozen\$88.60

ONE IN A BOX

HAND DRILLS



By means of the ratchet this drill can be used as a plain, left hand, right hand or double ratchet drill.
No. 1530—Yankee, malleable iron frame, dead black finish, 3 jaw steel chuck, nickel plated, holding drills up to ¾ in. in diam., single speed, extreme length 10½ in., 3 in. driving wheel, w't per doz. 17 lbs. per dozen\$84.00

ONE IN A BOX



No. 1—Miller's Falls, single gear, length 12 in., malleable iron frame, cocobola hollow head and handle, nickel plated chuck, 8 cast steel drills enclosed in head, holds ¾ in. round shank drills, w't per doz. 22 lbs.per dozen \$57.88

Extra Drills, sizes ¼ to ¾, per dozen\$1.20

Extra Drills, sizes ¼ to ¾, per set of 8\$0.90

ONE IN A BOX



No. 5—Miller's Falls, double gear, length 11½ in., malleable iron frame, cocobola hollow head and handles, nickel plated chuck, 8 cast steel drills enclosed in handle, holds ¾ in. round shank drills, w't per doz. 24 lbs.per dozen \$61.00

Extra Drills, sizes ¼ to ¾, per dozen\$1.20

Extra Drills, sizes ¼ to ¾, per set of 8\$0.90

ONE IN A BOX



No. 2—Miller's Falls, single gear, length 15 in., malleable iron frame, cocobola hollow head and handles, nickel plated chuck, 8 cast steel drills enclosed in handle, holds ¾ in. round shank drills, ball bearing, w't per doz. 28 lbs., per dozen \$66.00

Extra Drills, sizes ¼ to ¾, per dozen\$1.20

Extra Drills, sizes ¼ to ¾, per set of 8\$0.90

ONE IN A BOX

HAND DRILLS



No. 41—Yankee, drill point revolves backward in upward movement of handle to clear chips. Has magazine for drill points in handle, nickel plated and polished, eight drill points $\frac{1}{16}$ to $\frac{1}{4}$ with each drill, length 11 $\frac{1}{2}$ in., w't per doz. 7 lbs., per dozen\$41.80

ONE IN A BOX

Extra Springs, for No. 41, per dozen\$2.50

Extra Drills, for Nos. 41 and 44, $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, $1\frac{1}{8}$, $1\frac{1}{4}$, per set\$1.20

ONE SET IN A BOX

Extra Drills, for Nos. 41 and 44, $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$, $1\frac{1}{8}$, $1\frac{1}{4}$, per dozen\$1.80

DOZEN IN A PACKAGE



No. 44—Yankee, has spring with adjustable tension to regulate strength suitable for difference in hard and soft woods, or for large and small drill points. The cap on end of drill has a screw by which spring is made weaker or stronger. Has magazine drill points and is nickel plated and polished. Eight drill points $\frac{1}{16}$ to $\frac{1}{4}$ with each drill. Length 11 $\frac{1}{2}$ in., per dozen \$50.30

ONE IN A BOX



For use in drilling in steel, iron, brass and other metals as well as wood.

Is constructed that the drill runs continuously to the right during both forward and backward movement of the driver. The pressure to feed the drill is had by the pressure against the head of the tool which is provided with ball bearings to reduce friction.

No. 45—Yankee, reciprocating, polished steel spindle, polished hardwood handle, ball bearing, nickel plated knurled chuck with 3 jaws for holding $\frac{1}{16}$ in. drills or smaller, length 15 in., w't per doz. 12 $\frac{1}{2}$ lbs., per dozen\$63.30

ONE IN A BOX



No. 46—Yankee, for light wood only, automatic, length 10 $\frac{1}{2}$ in., nickel plated and finely finished, hardwood handle, 3 cast steel drills, $\frac{1}{16}$, $\frac{1}{8}$, $\frac{3}{16}$, not adapted to larger size drills, w't per doz. 2 $\frac{1}{2}$ lbs., per dozen\$20.90

ONE IN A BOX

BREAST DRILLS



No. 80—Yankee—Two speed, universal chuck holding square, taper or round shank, drills up to $\frac{1}{2}$ in. diameter, finished in blue and gold enamel, nickel plated trimmings, ebonized handles, w't per doz. 66 lbs., per dozen\$74.70

ONE IN A BOX



No. 81—Yankee—Breast plates, two speed, universal chuck holding square, taper or round shank, drills up to $\frac{1}{2}$ in. in diameter, has level set in frame, also a latch for holding chuck while tightening drills, finished in blue and gold enamel, nickel plated trimmings, cocobola handles, w't per doz. 60 lbs., per dozen\$96.00

ONE IN A BOX



No. 19—Ball bearing, alligator jaws. 5 in. drive wheel, adjustable speed gear and crank, permitting a variation in length of 3 in., black japanned hub casing, aluminum bronze gear and breast plate, w't per doz. 72 lbs.,per dozen \$73.70

ONE IN A BOX



MILLER'S FALLS, with level glass, japanned iron frame, nickel plated chuck for round or square shank drills, 2 speeds, extension crank, 2 cocobola handles, length 17 in.

No. 12—Breast plates, w't per doz. 72 lbs.,per dozen \$94.20

No. 15—Iron D handles, w't per doz. 72 lbs.,per dozen \$94.20

ONE IN A BOX

BREAST DRILLS



YANKEE, two speeds, malleable iron frame, dead black finish, ball bearing, length 17 $\frac{1}{2}$ in.

No. 455—2 Jaw chuck for holding round or square shank drills up to $\frac{1}{2}$ in. in diameter, w't per doz. 72 lbs.,per dozen \$124.80

No. 1455—3 jaw chuck for holding round shank drills only up to $\frac{1}{2}$ in. in diameter, w't per doz. 72 lbs., per dozen\$124.80

ONE IN A BOX



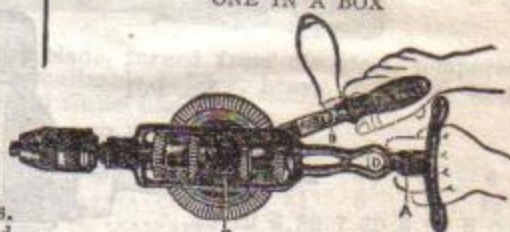
No. 1555

YANKEE, two speed, malleable iron frame, finished in dead black, bright parts nickel plated and polished, length 18 in., with right and left hand ratchet.

No. 555—2 Jaw chuck for holding round or square shank drills up to $\frac{1}{2}$ in. in diameter, w't per doz. 78 lbs.,per dozen \$184.80

No. 1555—3 jaw chuck for holding round shank drills only up to $\frac{1}{2}$ in. in diameter, w't per doz. 78 lbs., per dozen\$184.80

ONE IN A BOX



No. 97—M. F. Co. ratchet construction, five different actions, speed instantly changed by moving knob on crank handle, handle is adjustable for use as crank or as straight lever for ratchet action, three jaw chuck for holding round shank drills up to $\frac{1}{2}$ in. diameter, malleable frame japanned and nickel trimmed, w't doz. 99 lbs., per dozen \$187.20

ONE IN A BOX



No. 118—M. F. Co., with level glass, iron frame, three jawed nickel plated chuck, capacity 0 to $\frac{1}{2}$ in. for round shank drills, adjustable speed gear and breast plate, steel cone bearing, nickel plated crank, cocobola handles, w't dz. 90 lbs., dz. \$109.60

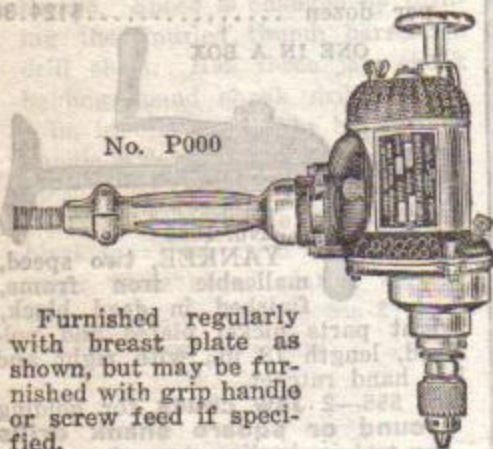
ONE IN A BOX

Thor

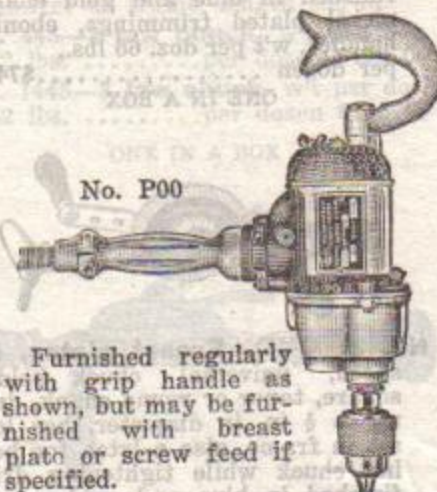
THE WORLD'S GREATEST ELECTRIC DRILLS

CAN BE OPERATED FROM ANY LAMP SOCKET

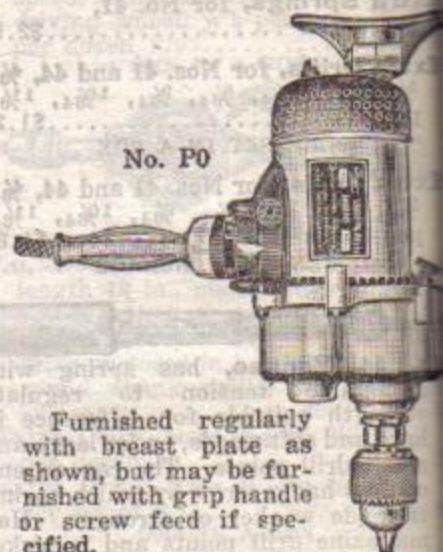
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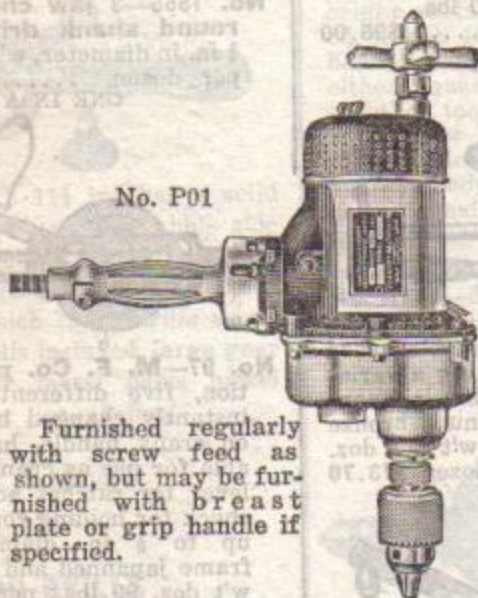
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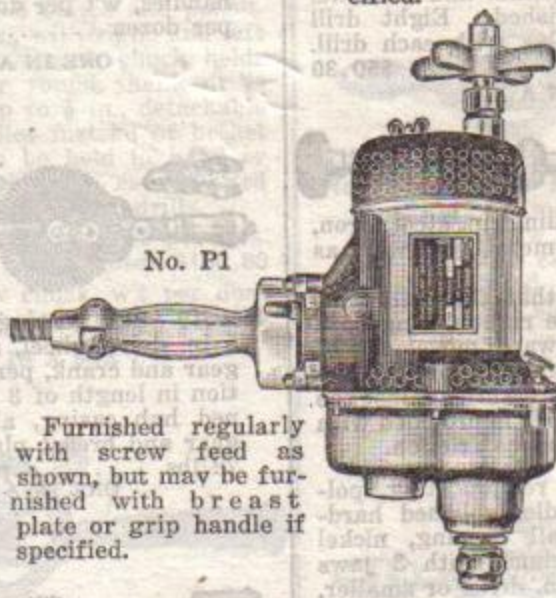
No. P0



No. P01



No. P1



Will drill a hole in metal or wood in one-fifth the time required by hand. Saves 80% in the cost of drilling. All drills are furnished with Jacobs Chuck for straight shank twist drills.

CAPACITY			FREE SPEED		Distance From Side L'gth to Spindle Over-			Watts Consumed Under Load		UNIVERSAL TYPE			
Drilling, in.	Ream-ing, in.	Wood Boring, in.	Uni- versal	Direct Current	W't, Lbs.	Center, in.	all, in.			For Alternating and Direct Current.		For Direct Current Only	
										Nos.	Each	Nos.	Each
$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{8}$	2600	1900	6	$1\frac{1}{2}$	104	260		P000U	\$102.00	PMMMD	\$102.
$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{4}$	1400	1000	7	$1\frac{1}{2}$	104	260		P00U	119.00	PMMD	118.
$\frac{3}{8}$	$\frac{5}{8}$	$\frac{3}{8}$	950	750	12	$1\frac{1}{2}$	121	500		P0U	136.00	P0D	136.
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	800	675	17	$1\frac{1}{2}$	141	550		P01U	161.50	P01D	161.
$\frac{3}{4}$	$\frac{3}{4}$	1	750	650	18	$1\frac{1}{2}$	121	600		P1U	170.00	P1D	170.

VOLTAGE DESIRED MUST BE SPECIFIED IN ORDERING.

SCREW DRIVERS



HIBBARD

Forged from solid bar high grade special steel. Hardened, natural finish, knife handle. The handle is securely fastened to driver with two rivets. Highly polished blade carefully tempered. The flat shape of handle prevents the driver rolling when laid down. A high grade tool in every respect.

No. 200 Hibbard—

Inches	3	4	5	6
W't per doz., lbs.	4½	4½	5	7½
Per dozen	\$5.60	6.00	7.00	8.40

No. 250 Hibbard—

Inches	7	8	10	12
W't per doz., lbs.	7½	10½	11½	12½
Per dozen	\$9.80	11.20	14.00	16.80

HALF DOZEN IN A BOX



Extra strong well made driver. Finely polished, tempered blade forged from solid bar high grade special steel, black stained hardwood handle riveted to driver with two rivets.

No. 150 CVD—Inches	2	3	4	5	6
Length overall, in.	6	7	8½	9½	10½
Wt per doz., lbs.	4	4½	4¾	5	7
Per dozen	\$5.60	6.40	7.00	8.00	9.60

No. 150 CVD—Inches	7	8	10	12
Length overall, in.	11½	13	16	18½
Wt per doz., lbs	7½	10	10¾	11¾
Per dozen	\$11.20	12.80	16.00	19.20

HALF DOZEN IN A BOX



Special cast steel, round polished blade, polished steel handle, ebonized handle.

No. 2 CVD—Inches	2	3	4	5	6
per doz., lbs.	1½	1½	2½	3½	4
Price	\$4.80	5.20	5.60	6.10	6.80

No. 2 CVD—Inches	7	8	10	12
W't per doz., lbs.	4½	6½	8	8½
Per dozen	\$7.70	8.40	10.00	13.00

HALF DOZEN IN A BOX

CVD MACHINISTS'



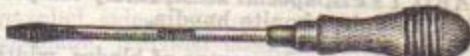
Square Shank.

Finely polished tempered blade, forged from solid bar high grade special steel. Stained hardwood handle, riveted to driver with two rivets.

No. 1 CVD—Inches	3½	3½	4	4½
Length over all, in.	7	8	9	10½
Size of blade, in.	5/16	3/8	1/2	5/8
W't per doz., lbs.	3½	5	7½	10
Per dozen	\$11.70	13.60	15.60	17.60

HALF DOZEN IN A BOX

REYNOLDS



Round blued cast steel blade, heavy iron ferrule, stained handle.

No. 6 REYNOLDS—Inches	2	3	4	5	6
W't per doz., lbs.....	1½	2	2½	3½	3½
Per dozen	\$3.20	3.50	4.00	4.60	5.00

No. 6 REYNOLDS—Inches	7	8	10	12
W't per doz., lbs.	4½	7	7½	8
Per dozen	\$5.80	6.40	7.70	9.20

HALF DOZEN IN A BOX

CHAMPION



Polished round blade, forged from die steel, tempered and shrunk into malleable bolster, heavy combined tang and ferrule, stained fluted handle.

STANDARD

No. 26—Inches	2½	3	4	5	6
W't per doz., lbs.	2	2½	3	4	4½
Per dozen	\$5.20	6.20	7.20	6.90	8.00

No. 26—Inches	7	8	10	12
W't per doz., lbs.	6½	7	8	11
Per dozen	\$9.20	10.20	10.80	15.30

HALF DOZEN IN A BOX

CABINET

No. 126—Inches	2½	3½	4½	5½	6½
W't per doz., lbs.	1½	2½	2½	3½	4
Per dozen	\$5.20	6.20	6.50	7.60	8.60

HALF DOZEN IN A BOX

CRUSO



No. 012—Length, in.	2½	3	4	5
W't per doz., lbs.	1	1½	2½	2½
Per dozen	\$1.80	2.10	2.50	3.00

No. 012—Length, in.	6	8	10
W't per doz., lbs.	3½	4½	6
Per dozen	\$3.60	4.80	6.00

HALF DOZEN IN A BOX

OVB SCREW DRIVERS



OVB screw drivers have the blade, shank and head formed of one piece of special steel. The projection under the head prevents the blade from turning in the handle. This construction makes the OVB driver unusually strong and durable.

OVB drivers are made in two forms—one in which the metal head comes through the handle, and one having a countersunk head and insulated by a non-conduction plug. Electricians require this type. On account of the parallel sides a countersunk screw may be followed without injury to the wood, thus making it an attractive tool to the cabinet maker.

All cuts used to illustrate this line are made to scale approximately one-fourth the actual size.

All handles are finished in dull black and are typical of "THE VERY BEST" workmanship.



STANDARD TYPE, special steel, finely tempered blade, polished steel ferrule, ebonite handle.

For all sorts of work. Diameter of blades, width of tips, and size of handle vary according to over-all length of driver.

No. 100 OVB—Blade, in.	2½	3	4	5	6
Tip, in.	⅝	⅞	⅞	⅞	⅞
Stock, in.	⅞	⅞	⅞	⅞	⅞
W't per doz., lbs.	1½	2	2½	4½	6
Per dozen	\$4.50	5.20	6.20	7.30	8.80

No. 100 OVB—Blade, in.	8	10	12
Tip, in.	⅞	⅞	⅞
Stock, in.	⅞	⅞	⅞
W't per doz., lbs.	7½	8½	9½
Per dozen	\$11.00	13.80	16.40

HALF DOZEN IN A BOX



Has cabinet makers' tip, sides being parallel (instead of tapered) to follow up countersunk screws without marring the wood. It also has an insulated head. In this driver the diameter of blade, size of handle, width of tip do not increase in same proportion as in the standard line.

No. 101 OVB—Blade, in.	3	4	5	6
Tip, in.	⅞	⅞	⅞	⅞
Stock, in.	⅞	⅞	⅞	⅞
W't per doz., lbs.	2	2½	3	3½
Per dozen	\$5.20	6.10	7.50	8.90

HALF DOZEN IN A BOX



Special steel blade, nickel plated ferrule, ebonized handle. Blades are pinned, making a strong driver for pocket use.

Nos.	107	108
Length of blade, in.	1½	3
Stock, in.	1¼	1¼
W't per doz., lbs.	1	2
Per dozen	\$2.70	3.00

ONE DOZEN IN A BOX



ELECTRICIANS'

Electric, special steel, finely tempered blades, ½ in. tip, ⅝ in. stock, polished steel ferrule, ebonite handle, insulated head.

No. 103 OVB—Blade, in.	2½	3	4	5	6
W't per doz., lbs.	1½	1½	1½	1½	1½
Per dozen	\$4.50	5.20	6.10	7.50	8.90

No. 103 OVB—Blade, in.	8	10
W't per doz., lbs.	1½	1½
Per dozen	\$11.00	13.80

HALF DOZEN IN A BOX



MACHINISTS'

Machinists' special finely tempered blade, polished steel ferrule, ebonite handle.

Especially adapted for heavy work.

Nos.	105	106
Length of blade, in.	1½	3½
Length over all, in.	5½	7½
W't per doz., lbs.	3½	6
Per dozen	\$6.80	12.40

HALF DOZEN IN A BOX



SPECIAL

The special feature of this driver is that the blade instead of being round is forged to a flat shape ⅝ in. thick and ⅞ in. wide. Tip is ⅞ in. wide. The same size material is used as in forging the regular round driver so that this tool is unusually strong. Designed for use in automobile and electrical work.

No. 114—Regular head, length 4 in., w't per doz. 2½ lbs.	
per dozen	\$6.10

No. 214—Insulated head, length 4 in., w't per doz. 2½ lbs.	
per dozen	\$6.10

HALF DOZEN IN A BOX



No. 104 OVB—Special steel, 1½ in. finely tempered blade, ⅝ in. tip, ⅞ in. stock, polished steel ferrule, ebonite handle, w't per doz. 2½ lbs.	
per dozen	\$4.50

HALF DOZEN IN A BOX

"HURWOOD" SCREW DRIVERS



Cross Section "Hurwood" Screw Driver.



Cross Section "Hurwood" Screw Driver Insulated Head.

"HURWOOD" SCREW DRIVERS have blade, shank and head formed of one piece of special steel. A rivet through the ferrule, handle and shank as well as the head with two projecting wings—see cut—securely fasten the handle. This construction makes the "Hurwood" driver unsurpassed for strength and durability.

"Hurwood" drivers are made in two forms—one in which the metal head comes clear through the handle and one designed for electricians giving same advantages of strength but having the head countersunk in the handle and insulated by a non-conducting plug. All "Hurwood" drivers have finely tempered blades and are well finished and fully warranted.



No. 20—4 in.

STANDARD TYPE, special steel, finely tempered blade, polished steel ferrule, ebonite handle.

Diameter of blade, size of tip and size of handle increase with length of blade in proportion for heavier work.

No. 20—Blade, in.	2½	3	4	5	6
Tip, in.	⅝	⅞	1	1½	2
Stock, in.	⅝	⅞	1	1½	2
W't per doz., lbs.	1½	2	2½	4½	6
Per dozen	\$4.40	5.00	6.00	7.20	8.60

No. 25—Blade, in.	8	10	12	18
Tip, in.	⅞	1	1½	2½
Stock, in.	1	1½	2	3
W't per doz., lbs.	7½	8½	9½	10½
Per dozen	\$10.60	13.30	15.80	24.00

HALF DOZEN IN A BOX



No. 50—4 in.

POET, special steel, finely tempered blade, ½ in. tip, ½ in. stock, polished steel ferrule, ebonite handle.

A special driver designed for light and delicate work, and is made of very small stock and with a small tip. The size of stock, tip and handle is the same in all lengths of blade. As the small diameter of shank wire necessitates a very small rivet, the "winged" head is a great advantage.

No. 50—Blade, in.	4	5	6	8
W't per doz., lbs.	1	1	1½	1½
Per dozen	\$6.00	7.20	8.60	10.60

HALF DOZEN IN A BOX



MACHINISTS'

Special steel, finely tempered blade, polished steel ferrule, ebonite handle.

Specially adapted for heavy work, where a heavy driver cannot be conveniently used.

No.	51	52	53
Length of blade, in.	1½	3	4
Length over all, in.	5½	7½	9½
W't per doz., lbs.	3½	6	9
Per dozen	\$6.70	12.00	15.60

HALF DOZEN IN A BOX

CABINET MAKERS'

Tip, parallel sides, insulated head, special steel, finely tempered blade, polished steel ferrule, ebonite handle.

Has cabinet maker's tip, sides being parallel (instead of tapered) to follow up countersunk screws without marring the work; also insulated head. In this driver, diameter of blade and size of handle do not increase in same proportion as in the standard line.

No. 45—Blade, in.	2½	3	4	5
Tip, in.	⅞	⅞	1	1
Stock, in.	⅞	⅞	1	1½
W't per doz., lbs.	1½	2	2½	3
Per dozen	\$4.40	5.00	6.00	7.20

No. 45—Blade, in.	6	8
Tip, in.	1	1
Stock, in.	1	1
W't per doz., lbs.	3½	3½
Per dozen	\$8.60	10.60

HALF DOZEN IN A BOX



ELECTRICIANS.

Special steel, finely tempered blade, ½ in. tip, ⅝ in. stock, polished steel ferrule, ebonite handle, insulated head.

A special driver corresponding to the No. 50, but having insulated head for electrician's work.

No. 55—Blade, in.	1½	2½	3	4	5
W't per doz., lbs.	1	1½	1½	1½	1½
Per dozen	\$4.40	4.40	5.00	6.00	7.20

No. 55—Blade, in.	6	8	10	12
W't per doz., lbs.	1½	1½	1½	2
Per dozen	\$8.60	10.60	13.30	15.80

HALF DOZEN IN A BOX



For use where a driver of short length is desired. The blade is strong and the size makes it a handy vest pocket screw driver.

No. 21—Baby, special steel, 1½ in., finely tempered blade, ⅝ in. tip, ⅝ in. stock, polished steel ferrule, ebonite handle, w't per doz. 2 lb.	per dozen	\$4.40
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HALF DOZEN IN A BOX

YANKEE SPIRAL RATCHET SCREW DRIVER



Right or left hand and rigid at variable lengths.

This tool is for driving small screws only and is intended for electrical workers, cabinet makers and mechanics having a large number of small screws to drive. It is a very light and convenient tool that can be easily carried in the pocket.

No. 35—Nickel plated, stained cherry handle, length with bit when extended 9½ in., 3 forged steel bits, w't per doz. 5½ lbs. per dozen \$35.80
ONE IN A BOX



Right or left hand ratchet and rigid at variable lengths.

The change from right to left hand is made by simply moving the slide to either end of the slot. The ratchet movement can be used in any part of the length of tool and can be used as an ordinary screw driver at any point in length of rod.

No. 30—Nickel plated, stained cherry handle, length with bit 13½ in., extended 19½ in., 3 forged steel bits, w't per doz. 15 lbs. per dozen \$48.20

No. 31—Length with 17½ in., extended 26½ in., for extra heavy work, w't per doz. 20 lbs., otherwise same as No. 30 per dozen \$64.70

BITS WITH SCREW HOLDERS



A longer bit than regular with holder attached to hold screw, especially useful in places difficult to reach.

No. 305—For No. 30 per dozen \$8.60
No. 315—For No. 31 per dozen \$8.60
ABOVE, ONE IN A BOX

YANKEE CHUCKS AND DRILLS



For Nos. 30, 31, 35 Screw Drivers.

No. 301—For No. 35—Set consists of chuck and 3 cast steel drill points, sizes ¼ in. to ½ in., spring lock, doz. sets \$7.50

No. 300—For No. 30—Set consists of chuck and 8 cast steel drill points sizes ¼ in. to 1½ in., spring lock, per dozen sets \$15.00

No. 311—For No. 31—Set consists of chuck and 8 cast steel drill points sizes ¼ in. to 1½ in., spring lock, per dozen sets \$15.00

YANKEE SCREW DRIVER BITS

For Nos. 30, 31, 35 Screw Drivers.

No. 330—For No. 30—Set consists of 3 bits sizes ⅜ in., ½ in. and ⅝ in. per dozen sets \$10.00

No. 331—For No. 31—Set consists of 3 bits sizes ⅜ in., ½ in. and ⅝ in. per dozen sets \$10.00

No. 302—For No. 35—Set consists of 3 bits sizes ⅜ in., ½ in. and ⅝ in. per dozen sets \$10.00

YANKEE DRILL BITS

For Nos. 30, 31, 35 Screw Drivers.
Used With Nos. 300 and 301 Chucks.

STRAIGHT SIZES

Sizes, ¼, ⅜, ½, ⅝, ¾, 1, 1½ and 2 in.,
per dozen \$1.80

IN SETS OF 8

One each, ¼ to 1½ in. per dozen \$1.20



COUNTERSINKS

For Nos. 30, 31, 35 Screw Drivers.

No. 030—For No. 30, cast steel round shank,
per dozen \$3.90

YANKEE RATCHET SCREW DRIVER



Quick Return Spiral Ratchet.

No. 130—Nickel plated, stained cherry handle, length with bit 11 in., extended 19½ in., 3 forged steel bits, w't per doz. 15 lbs. per dozen \$55.00
ONE IN A BOX

YANKEE QUICK RETURN SCREW DRIVER



Nickel Plated.

Has a spring in handle which causes the handle to come back for the next push when driving a screw. Stained cherry handle, 3 forged steel bits.

Nos.	131	135
Length—bit extended, in.	26½	9½
Weight, lbs.	20	5½
Per dozen	\$74.30	42.50

ONE IN A BOX

YANKEE PUSH BRACE AND SCREW DRIVER



Will hold all the small tools used in a bit brace, but is operated by pushing the handle. Will bore ½ in. holes in metal, drive ½ in. auger bits in hard wood or ¾ to 1 in. bits in white pine.

No. 75—Nickel plated frame and chuck, hardwood polished handle, 2½ in. diameter, length without bit 16½ in., extended 23½ in., w't per doz. 26 lbs.,
per dozen \$88.00
ONE IN A BOX

YANKEE RATCHET SCREW DRIVER



Polished cast steel forged blade, nickel plated ferrule, polished hardwood handle, has knurled screw on blade used for turning with thumb and finger when desired.

Nos.	152	153	154	155
Inches	2	3	4	5
W't per doz., lbs.	1½	1½	1½	2
Per dozen	\$11.60	12.10	12.60	13.10

ONE IN A BOX

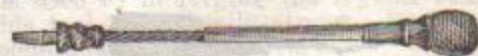


Polished cast steel forged blade, nickel plated ferrule

Nos.	112	113	114	115	116	118
Inches	2	3	4	5	6	8
W't doz., lbs.	1½	2½	3	3½	5	6
Per dozen	\$10.50	12.90	13.80	15.20	17.10	19.30

HALF DOZEN IN A BOX

REED'S LIGHTNING SCREW DRIVER



No. 42—Nickel plated cylinder, rosewood handle, lignum vitae head, length 12 in., extended 21 in., with 1 boring and 2 screw driver bits, for light boring, driving and removing screws, w't per doz. 9 lbs.,
per dozen \$63.00
HALF DOZEN IN A BOX



No. 41½—Nickel plated cylinder, rosewood handle, lignum vitae head, length 15 in., extended 26 in., with 1 screw driver bit, for light boring, driving and removing screws, w't per doz. 18 lbs. per dozen \$81.00
ONE IN A BOX

NOVELTY SCREW DRIVERS



Blades made of the best grade of steel, highly tempered and polished with nickel plated knurled body.

No. 33—Three in One, length 3½ in., consists of three distinct screw drivers in one, w't per doz. 1½ lbs., per dozen \$6.60

ONE DOZEN ON A DISPLAY CARD

No. 34—Four in One, length 5½ in., consists of four distinct screw drivers in one, w't per doz. 2½ lbs., per dozen \$12.00

ONE DOZEN IN A BOX



DUPLIX

No. 32—Two-in-one with ring on end for fastening to watch chain, length 11 in., consists of two distinct screw drivers in one, large blade is protected by screw cap, made of best grade tool steel highly tempered and polished with nickel plated knurled body, w't per doz. 1 lb., per dozen \$5.50

ONE DOZEN ON A DISPLAY CARD

MAGAZINE SCREW DRIVERS



FOUR TOOLS IN ONE

Three sturdy blades, one sturdy awl. Large enough to hang a door. Small enough to fix a bell.

The blades of the Olson Magazine Screw Driver are made of ⅝ in. round high grade steel, forged and tempered. The sizes are 1½, ⅞, ¾, and will fit any common screw. The awl is four cornered and tapers from a point to ⅝ in. across corners. It is small enough to make starting holes for curtain hanger screws or large enough for a door hinge screw.

The handle is of steel, knurled on the outside and nickel plated. The handle is hollowed out to hold all four tools.

The cap has a chuck locked inside of it, so that it acts as a chuck and cap at the same time. The blades snap into the chuck and chuck snaps into the handle, and when cap is tightened it is like a solid steel screw driver.

No. 43—The length of the screw driver with blade inserted is 5½ in., with tools inside 3½ in., w't per doz. 2½ lbs., per dozen \$20.00

ONE IN A BOX

POCKET MAGAZINE SCREW DRIVER



Has four blades to suit different size screws. Blades are kept in magazine in handle.

No. 60—Nickel plated, polished cast steel blades, knurled handle, diam. ⅝ in., length closed 3 in., w't per doz. 1½ lbs., per dozen \$16.00

ONE DOZEN IN A BOX

HAMMER HANDLE SCREW DRIVERS



Tool steel, tempered, nickel plated, folding T hammer handle held in either position by a strong spring.

Nos.	24	25	26½
Length blade, in.	4	5	6
Length over all, in.	7½	9	10
Width point, in.	⅝	¾	1
W't per doz., lbs.	4½	7	10
Per dozen	\$12.50	13.45	14.40

NOS. 24 AND 25 ONE-QUARTER DOZEN
NO. 26 ONE DOZEN IN A BOX

HAMMER AND SCREW DRIVER ASSORTMENT



No. 36—An all metal hammer and three screw drivers combined, in one practical tool. Hammer is 7½ in. long, head 1½ in. Three in one screw driver, length 5½ in., fits nicely into the handle of hammer. All finely polished and nickel plated, w't per doz. 8 lbs., per dozen \$19.20

10 TOOLS WITH DISPLAY CARD IN A PACKAGE

SCREW DRIVERS



LITTLE GIANT

A Very Strong and Useful Tool.

No. 13½—Length over all 3½ in., forged crucible steel blade, carefully tempered, knurled steel handle, nickel plated, w't per doz. 1½ lbs., per dozen \$2.20

ONE DOZEN ON A DISPLAY CARD

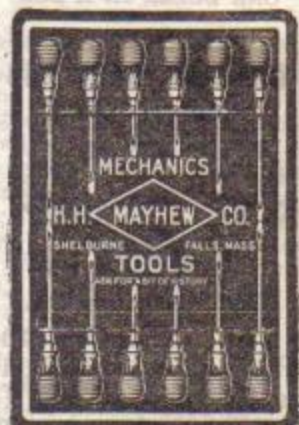
YANKEE RATCHET SCREW DRIVER



For gunsmith's fitters, electricians, etc., a strong, substantial driver.

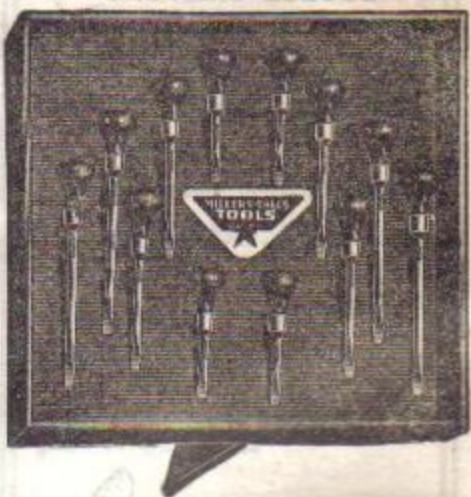
No. 12—Polished cast steel forged blade, 1½ in., nickel plated ferrule, polished hardwood handle, w't per doz. 3 lbs., per dozen \$15.00
HALF DOZEN IN A BOX

SCREW DRIVER ASSORTMENTS



MAYHEW

No. 811—Assorted 1 to 3 in., forged blued steel blade, ⅝ in. diam., securely fastened, stained handle, w't per doz. 2 lb., per assortment \$1.80
ONE DOZEN MOUNTED ON AN ATTRACTIVE DISPLAY CARD 7½x11 IN., TWO DOZEN IN A BOX.



No. 660—Consists of one dozen assorted 1½, 2½ and 3½ in. screw drivers, forged steel polished blades with knurled band to give handy grip with fingers in starting screws. Cocobola handles with nickel plated ferrule, w't per asst. 2 lbs., per assortment \$4.00

ONE DOZEN MOUNTED ON A DARK GREEN PASTEBOARD CARD WITH CARD HANGER

INSIDE CALIPERS



Cast Steel Polished.

Nos.	104	105	106	108
Inches	4	5	6	8
W't, doz., lbs.	1 1/2	1 1/2	1 1/2	2 1/2
Per dozen	\$3.00	3.30	3.80	8.00

ONE DOZEN IN A BOX

OUTSIDE CALIPERS



Cast Steel Polished.

Nos.	203	204	205
Inches	3	4	5
W't, doz., lbs.	1 1/2	2	1 1/2
Per dozen	\$2.70	3.00	3.30

Nos.	206	208
Inches	6	8
W't, doz., lbs.	1 1/2	2 1/2
Per dozen	\$3.80	8.00

ONE DOZEN IN A BOX

DOUBLE CALIPERS



Cast Steel Polished.

Nos.	304	305	306
Inches	4	5	6
W't, doz., lbs.	1 1/2	1	1 1/2
Per dozen	\$4.30	5.00	6.00

HALF DOZEN IN A BOX

SELF-REGISTERING CALIPERS



No. 58—3 in., nickel plated, with set screw, w't per doz. 1 lb., per dozen \$11.00
HALF DOZEN IN A BOX

WING CALIPERS

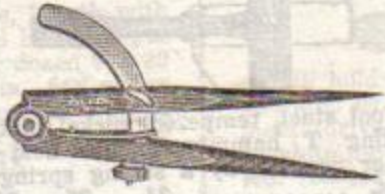


Forged Steel Polished, with Spring and Set Screw.

Nos.	806	808
Inches	6	8
Per dozen	\$16.80	21.60

HALF DOZEN IN A BOX

WING DIVIDERS



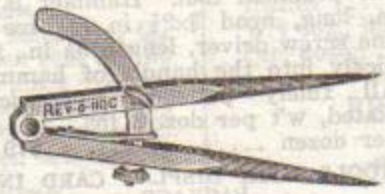
Nickel Plated, Forged Steel, Brass Jointed, Tempered Steel Points.

Nos.	46	47	48
Inches	6	7	8
W't per doz., lbs.	4	4 1/2	5
Per dozen	\$17.00	19.20	21.20

Nos.	410	412
Inches	10	12
W't per doz., lbs.	8	13
Per dozen	\$28.40	32.40

HALF DOZEN IN A BOX

REYNOC WING DIVIDERS



Forged Steel, Polished.

Nos.	36	37	38	39
Inches	6	7	8	9
W't, doz., lbs.	3 1/2	4	4 1/2	7
Per dozen	\$11.40	12.80	14.00	14.80

Nos.	310	312	315
Inches	10	12	15
W't, doz., lbs.	7 1/2	13	15
Per dozen	\$19.00	21.60	57.00

6 TO 8 ONE DOZEN; BALANCE HALF DOZEN IN A BOX

EXTENSION WING DIVIDERS



Forged Steel, Polished, One Extension Leg.

Nos.	16	17	18
Inches	6	7	8
W't, doz., lbs.	4	4 1/2	4 1/2
Per dozen	\$19.50	21.60	23.80

HALF DOZEN IN A BOX



Forged Steel, Polished, Two Extension Legs.

Nos.	26	27	28
Inches	6	7	8
W't, doz., lbs.	4 1/2	4 1/2	5 1/2
Per dozen	\$21.60	23.80	26.00

HALF DOZEN IN A BOX

COMPASSES AND DIVIDERS



One in a box, together with a nickel box containing six refills.
No. 569—Eagle, nickel plated, w't per doz. 1 1/2 lbs.per dozen \$9.00
ONE DOZEN IN A CARTON

PENCIL HOLDERS



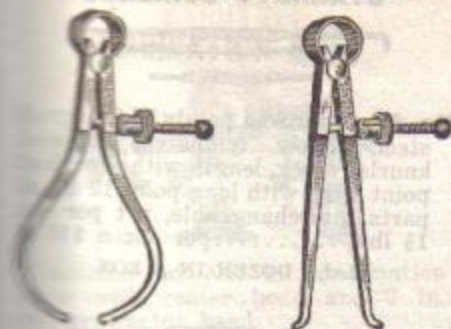
No. 8—Stanley's, corrugated steel with thumb screw, nickel plated, w't per doz. 1 lb.per dozen \$2.80
ONE DOZEN ON A CARD

COMBINATION CALIPERS



Inside and Outside Calipers also Depth Gauge made of nickel silver, guaranteed not to rust graduated, in 16ths and 32nds. Jaws 1 in. deep.
Nos. 134 135 136
Length, in. 4 5 6
W't, doz., lbs. 2 1 1 1/2
Per dozen \$43.20 45.60 48.00
HALF DOZEN IN A BOX

FAY PATENT CALIPERS



No. 75.

No. 74.

Polished steel, tempered flat steel bow spring, with spring nut.

Length, in. 2½ 3 4
W't, doz., lbs. 1½ 1½ 1½

No. 75—Outside,
per dozen\$24.00 24.00 25.80

No. 74—Inside,
per dozen\$24.00 24.00 25.80

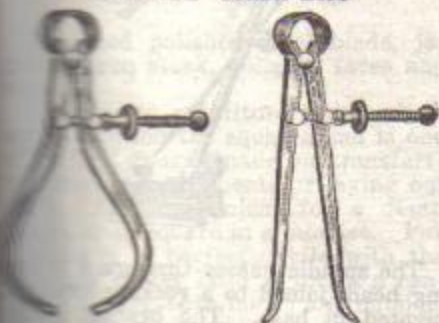
Length, in. 5 6 8
W't, doz., lbs. 2½ 3 3½

No. 75—Outside,
per dozen.....\$25.80 31.00 36.20

No. 74—Inside,
per dozen.....\$25.80 31.00 36.20

SIXTH DOZEN IN A BOX

YANKEE CALIPERS



No. 72.

No. 73.

Polished, tempered flat steel bow spring, with solid nut.

Similar to the Fay pattern but are not quite as heavy.

The bow on No. 73 is stiff, making the caliper reliable. After calipering inside of chambered cavity by springing in the legs they may be withdrawn, and as they spring back will show the exact size calipered.

Length, in. 2½ 3 4 5
W't, doz., lbs. 1½ 1½ 1½ 1½

No. 72—Outside,
per doz. \$13.80 14.60 15.70 15.20

No. 73—Inside,
per doz. \$13.80 14.60 15.70 15.20

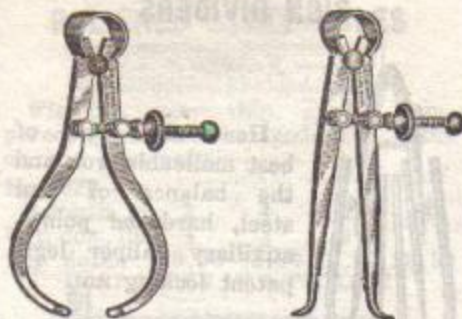
Length, in. 6 8 10
W't, doz., lbs. 2½ 3½ 5½

No. 72—Outside,
per doz.....\$18.00 20.70 28.50

No. 73—Inside,
per doz.....\$18.00 20.70 28.50

QUARTER DOZEN IN A BOX

THREAD CALIPERS



No. 179.

No. 184.

Polished steel, tempered flat steel bow spring, with solid nut, designed for measuring diameter at bottom of threads.

Length, in. 4 5 6
W't, doz., lbs. 1½ 1½ 2½

No. 179—Outside,
per dozen.....\$15.70 17.20 18.00

No. 184—Inside,
per dozen.....\$15.70 17.20 18.00

QUARTER DOZEN IN A BOX

IMPROVED FIRM-JOINT CALIPERS



No. 26.

No. 27.

Polished Steel.

Joint is made to be drawn together by means of a screw. Main stud is squared and fitted to one leg, preventing the stud turning when loosening and tightening, and insuring a smooth and uniform friction of more or less tension to suit the user.

The capacity is about one-third greater than the size given.

Length, in. 3 4 5 6
W't, doz., lbs. 1½ 1½ 1½ 2½

No. 26—Outside,
per dozen \$8.60 10.30 12.00 13.80

No. 27—Inside,
per dozen \$8.60 10.30 12.00 13.80

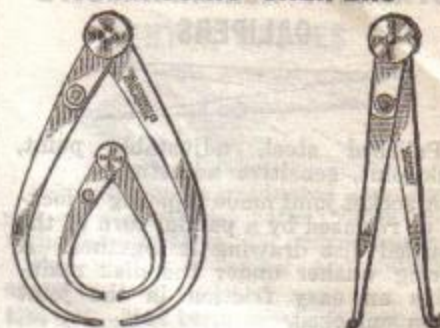
Length, in. 8 10 12
W't, doz., lbs. 3½ 5½ 7½

No. 26—Outside,
per dozen.....\$17.20 18.90 20.70

No. 27—Inside,
per dozen.....\$17.20 18.90 20.70

QUARTER DOZEN IN A BOX

LOCK-JOINT CALIPERS



No. 38.

No. 39.

Polished Steel, Lock Joint.

Instantly adjusted to their full extent, and as quickly locked firm in the joint, and yet provided with a sensitive adjustment. A socket joint made tapering is locked or released by a partial turn of the knurled disk, drawing it together. A spring washer under the disk maintains an easy friction in the joint when unlocked.

Length, in. 4 6 8
W't, doz., lbs. 1½ 3 4½

No. 38—Outside,
per dozen.....\$18.90 20.70 25.80

No. 39—Inside,
per dozen.....\$18.90 20.70 25.80

QUARTER DOZEN IN A BOX

Our reputation founded on over sixty-seven years' business stands back of the **OYE** brand.

All goods branded **OYE** are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling **OYE** articles there is a profit for you and satisfaction to your customers.

STARRETT HERMAPHRODITE
CALIPERS

Polished steel, adjustable point, lock-joint, sensitive adjustment.

A socket joint made tapering is locked or released by a partial turn of the knurled disc drawing it together. A spring washer under the disk maintains an easy friction in the joint when unlocked.

No. 42—In. 4 6 8
W't, doz., lbs. 1½ 2½ 4½
Per dozen \$20.70 24.00 28.50
QUARTER DOZEN IN A BOX

FIRM-JOINT HERMAPHRO-
DITE CALIPERS

Polished Steel, Adjustable Point.

The improved firm joint, with its smooth and uniform friction, is superior to the old style riveted jointed.

No. 41—Length, in. 4 6 8
W't, doz., lbs. 1½ 1½ 3½
Per dozen \$13.80 17.20 20.70
QUARTER DOZEN IN A BOX

STARRETT SPRING DIVIDERS



FAY PATENT, polished steel, quick adjustment, automatic closing spring nut.

No. 77—In. 2½ 3 4
W't, doz., lbs. ¾ 1½ 1½
Per dozen \$24.00 24.00 29.30
No. 77—In. 5 6 8
W't, doz., lbs. 2½ 3 3½
Per dozen \$29.30 36.20 41.40
SIXTH DOZEN IN A BOX



Polished Steel, Solid Nut.
YANKEE

Made under the Fay patent, but not quite as heavy.

No. 83—In. 3 4 5
W't per doz., lbs. ¾ 1½ 1½
Per dozen \$14.60 15.70 17.20
No. 83—In. 6 8
W't per doz., lbs. 2½ 4½
Per dozen \$18.00 23.30
QUARTER DOZEN IN A BOX

STARRETT IMPROVED EXTEN-
SION DIVIDERS

Head and arms of best malleable iron and the balance of tool steel, hardened points, auxiliary caliper legs, patent locking nut.

A well made, nicely finished divider, with auxiliary caliper legs, which, together with a common pencil, form convenient combinations. The patent locking nut between the arms, against which a spiral spring acts, is a valuable feature. After the fine adjustment is made, the nut may be turned back, locking spring and arms firmly, thus remedying the weak point which renders the common wing divider only as stiff as the adjusting spring.

WITH DIVIDER LEGS ONLY

Nos. 85A 85B
Length, in. 7 9
W't, doz., lbs. 7½ 10½
Per dozen \$31.00 36.20

COMPLETE

Nos. 85C 85D
Length, in. 7 9
W't, doz., lbs. 12½ 16
Per dozen \$51.80 57.00

ONE IN A BOX

SCRIBERS



Takes the place of the compass, and being small, can be carried in vest pocket.

No. 3—Tempered polished steel, length 3 in., w't per doz. 1 lb.,
per dozen \$3.80
DOZEN IN A BOX

STARRETT SCRIBERS



No. 67—Improved points of fine grade steel, nicely tempered, nicked, knurled stock, length with short bent point 9 in., with long point 12 in., all parts interchangeable, w't per doz. 1½ lbs. per dozen \$10.30
HALF DOZEN IN A BOX



The knurled sleeve has hole clear through and a clamping device at one end, adapting it for slipping on or off different tools, securely holding them near to or away from the working point.

No. 68—Improved, adjustable sleeve knurled and nicked, point of fine grade steel, 8 in. long, w't per doz. 1½ lbs. per dozen \$10.30
HALF DOZEN IN A BOX

STARRETT SURFACE GAUGES



The spindle passes through a rotating head, joined to a rocking bracket, pivoted in base. The bracket being adjusted by a knurled screw in one end against a stiff spring in the other, the spindle may be set upright or at any angle, or turned so as to work under the base and be sensitively adjusted to any position. The snug and head carrying the scriber are so made that when the clamp nut is loosened, all may be freely moved to any position and by friction springs retained in place until a slight turn of the clamp nut holds them firm. In the rear end of the base are two gauge pins frictionally held which may be pushed to bear against the edge of a surface plate or in slot of a planer bed for lineal work.

No. 57A—New Universal, heavy base grooved through bottom and end, adapting it for use on or against circular work as well as flat surfaces, height 3 in., with 9 in. spindle, w't per doz. 25½ lbs.,
per dozen \$60.40
ONE IN A PACKAGE

COMBINATION SETS



Consisting of No. 11 combination square with center head and 7 in. level protractor head.

Each head may be instantly removed or replaced and used interchangeably with the scale, thus forming the most useful combination set of tools ever devised for mechanics' use.

No. 9—In. 9 12 18
Wt. each, lbs. 1 1/2 2 2 1/2
Per doz. sets ... \$103.60 114.00 129.60
ONE SET IN A PACKAGE

PROTRACTOR HEADS

No. 12—7 in., with level attachment, w't 12 oz. per dozen \$51.80
ONE IN A PACKAGE

COMBINATION SQUARES



Hardened polished steel blade, japanned iron stock, polished faces and edges.

A complete substitute for a whole set of common try squares and is one of the best gauges made for transferring exact measurements or laying out work. Also convenient for a depth gauge, or to square in a mortise. For a square it is perfect, while with the secondary center head it forms a centering square, both inside and outside, which, for convenience and accuracy has no equal.

WITHOUT CENTER HEAD

No. 11—In. 9 12
Wt. doz., lbs. 8 1/2 12 1/2
Per dozen \$41.40 51.80

WITH CENTER HEAD

No. 111—In. 9 12
Wt. doz., lbs. 11 1/2 16 1/2
Per dozen \$51.80 54.50
ONE IN A BOX

Good quality hard steel blade, japanned iron stock, polished faces and edges.

Similar in design to No. 11. While the blade is made of good hard steel, it is not hardened.

WITHOUT CENTER HEAD

No. 23—In. 9 12
Wt. doz., lbs. 8 1/2 12 1/2
Per dozen \$37.30 46.60

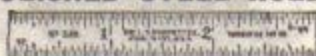
WITH CENTER HEAD

No. 223—In. 9 12
Wt. doz., lbs. 11 1/2 16 1/2
Per dozen \$46.60 56.00
ONE IN A BOX

HALF DOZEN IN A PACKAGE

STARRETT TOOLS

POLISHED STEEL RULES



Flexible, very thin, spring tempered, graduated in 32nds and 64ths on one side only.

No. 320—

Length, in. 3 4 6 12
Wt., doz., lbs. 1 1/2 2 2 1/2 3
Per dozen \$10.30 12.90 15.70 28.50
HALF DOZEN IN A PACKAGE



Improved hook, spring tempered, 3/4 in. or 18 gauge thick, graduated in 64ths and 32nds on one side, 16ths and 8ths on the other, with end graduated in 32nds. Convenient in taking measurements from round corners, through hubs of pulleys, setting inside calipers, etc. Hook quickly removed by turning eccentric stud one-half round.

No. 419—

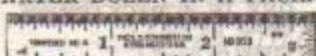
Length, in. 6 9 12
Width, in. 1/2 3/4 1
Wt., doz., lbs. 1 1/2 2 1/2 3
Per dozen \$21.60 30.20 37.00
QUARTER DOZEN IN A PACKAGE



Narrow hook, spring tempered, 3/4 in. or 18 gauge thick, 3/16 in. wide, graduated in 32nds on one side, 64ths on the other.

No. 422—

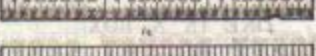
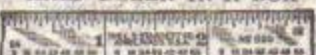
Length, in. 4 6 9
Wt., doz., lbs. 1 1/2 2 1/2 3
Per dozen \$17.20 20.70 28.50
QUARTER DOZEN IN A PACKAGE



Spring tempered, 3/4 in. or 18 gauge thick, graduated in 64ths and 32nds on one side, 16ths and 8ths on the other, graduated in 32nds on opposite sides of one end.

No. 0303—

Length, in. 3 4 6 12
Width, in. 1/2 3/4 1
Wt., doz., lbs. 1 1/2 2 2 1/2 3
Per dozen ... \$10.30 12.90 15.70 28.50
HALF DOZEN IN A BOX



Spring tempered, 3/4 in. or 18 gauge thick, graduated in 64ths and 32nds on one side, 16ths and 8ths on the other, graduated in 32nds on both ends of one side.

No. 603—

Length, in. 3 4 6 12
Width, in. 1/2 3/4 1
Wt., doz., lbs. 1 1/2 2 2 1/2 3
Per dozen ... \$10.30 12.90 15.70 28.50
HALF DOZEN IN A PACKAGE

CENTER GAUGES



Polished steel, graduated one corner each in 32nds, 24ths, 20ths and 14ths, length 2 1/2 in., 60 degree angles. For use in grinding and setting screw cutting tools.

No. 390—Not tempered, w't per doz. 3 lb. per dozen \$6.80

No. 391—Spring tempered, w't per doz. 3 lb. per dozen \$8.60

HALF DOZEN IN A PACKAGE

COMBINATION RULES



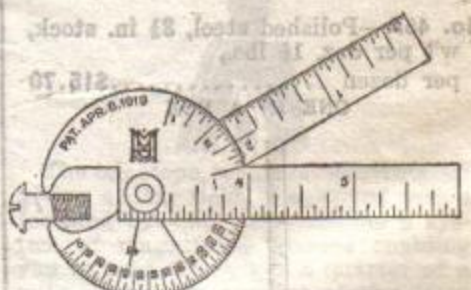
JOHNSON'S

The center joint is so constructed that the rule remains firm in any position. The vernier reads to one-half degree and is a valuable feature in obtaining fine measurements.

Nickel silver, combines caliper rule, try square bevel square and protractor, adjustable to any angle or bevel desired, marked in 8ths 16ths and 32nds.

Nos. 44 45
Length, in. 6 12
Wt per doz., lbs. 1 1/2 3
Per dozen \$43.20 54.00

HALF DOZEN IN A BOX



A Combined Scale Rule, Degree Square and Caliper.

Graduated from 1 in. to 4 in. in 64ths. Graduated from 4 in. to 8 in. in 32nds. Caliper is graduated in 64ths.

Accurately and carefully made from 18-gauge, nickel silvered, and will not rust. Center joint has fibre bearings making same very rigid.

No. 112—W't per doz. 1 1/2 lbs., per dozen \$36.00

ONE IN AN ENVELOPE

DOUBLE SQUARES



Polished and hardened steel blade, japanned cast iron stock with polished face and edges, blade graduated in 64ths and 32nds on one side, 16ths and 8ths on the other.

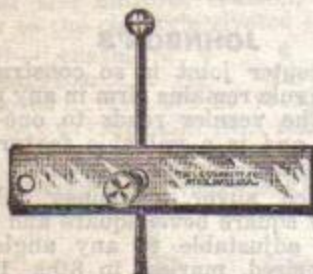
4 and 6 in. are fitted with both bevel and regular blades.

The sliding scale, shortened or extended full length makes this square very valuable, while with the extra bevel blade we have both the hexagon and octagon angles.

No. 13—In.	4	6	9
W't, doz., lbs.	3½	7½	11½
Per dozen	\$34.50	51.80	62.00

ONE IN A PACKAGE

STARRETT DEPTH GAUGES



The wire in this gauge is held to a groove by a friction spring inside the nut while adjusting, and may be used close to the end, as well as in the middle of the straight edge. By loosening the nut, the gauge may be neatly folded.

No. 45A—Polished steel, 3½ in. stock, w't per doz. 1½ lbs.,	
per dozen	\$15.70

ONE IN A BOX



No. 46A—Polished steel, 3½ in. stock, 4½ in. scale slides in grooves, and is graduated in 32ds and 64ths, and may be used separately from the gauge, w't per doz. 1½ lbs.,	
per dozen	\$25.80

ONE IN A PACKAGE

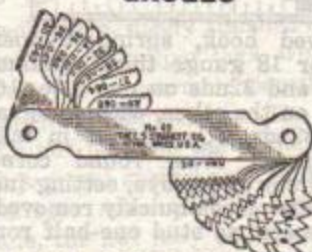
STARRETT THICKNESS GAUGES



The thickness is marked on each leaf.
No. 172A—Polished steel, 9 tempered leaves—.0015 to .015—3½ x 4 in. case, 3½ x 4 in. leaves, w't per doz. 1½ lbs., per dozen

ONE IN A PACKAGE

STARRETT SCREW PITCH GAUGES



Polished Steel, 2½ in. Long.

Can be used inside a nut as well as on the outside of a screw or bolt. Each leaf is stamped in decimals showing the double depth of thread on said leaf, and this of course equals the depths of threads on the two sides of a tap having the same pitch, and helps the workman determine the size of drill needed to drill the hole the right size to leave a full V thread for a tap having the same pitch.

Nos.	40	6
Number of pitches	22	30
Pitches	9 to 40	4 to 42
W't doz. lbs.,	1½	1½
Per dozen	\$21.60	30.20

ONE IN A PACKAGE



Can also be used as a center gauge with coarse and fine notch.

No. 155—U. S. Standard, polished steel, 3½ in. long, 25 pitches—2½ to 20—w't per doz. 3 lbs.,	
per dozen	\$34.50

ONE IN A BOX

STARRETT POCKET SCREW DRIVER



Steel tubing, knurled and nickel plated, properly tempered blades.

Nos.	553A	553B
Diam., handle, in.	¼	¾
Length of blade, in.	1½	3
W't, doz., lbs.	¾	1½
Per dozen	\$6.80	8.60

HALF DOZEN IN A BOX

STARRETT STAIR GAUGE FIXTURES



A pair of these fixtures can be readily clamped to a carpenter's steel square to form a gauge for various uses.

Sketch A shows the gauge as applied for laying out a stair stringer, sketch B, laying off hexagon angles, sketch C, as used as a center gauge in quartering a circle.

No. 111—Nickel plated, steel, unpolished body, w't 4 oz.,	
per pair	\$1.30

THREE PAIRS IN A BOX

STARRETT PROTRACTORS



Graduated in degrees from 0 to 90 both ways. The blade is 6 inches long, and by means of patent lock joint is set firmly by a slight turn of the nut. The back of the tool is flat. This protractor is accurate and is convenient for setting bevels, for transferring angles, as a small T-square, or for a large number of other uses which will readily occur to a machinist or draftsman, and will be found reliable, and very satisfactory by any mechanic, especially those who do not care to pay for a more expensive tool.

No. 19—Polished steel, graduated from 0 to 90 degrees from each end, 6 in. blade, w't per doz. 1½ lbs.,	
per dozen	\$38.80

ONE IN A BOX

STANDARD WIRE GAUGES



Cast Steel, Round.

Nos.	2	1
Size	Small	Large
Gauges, wire Nos.	6 to 36	0 to 36
W't doz. lbs.,	1	2½
Per dozen	\$28.80	48.00

HALF DOZEN IN A BOX

STARRETT MICROMETERS



No. 92—Polished steel, hardened spindle, knurled sleeve and lock nut, with ratchet stop, for measurement by thousandths up to 1 in., w't per doz. 12 lbs.per dozen \$172.80
ONE IN A PACKAGE



No. 93—Polished steel, hardened spindle, knurled sleeve and lock nut, with ratchet stop and 1 in. test gauge, for measurement by thousandths from 1 in. to 2 in., w't per doz. 7½ lbs., per dozen\$190.00
ONE IN A PACKAGE



No. 9215—Polished steel hardened spindle, knurled sleeve and lock nut, with ratchet stop, for measurement by thousandths up to ½ in., w't doz. 3 lbs.per dozen \$146.80
ONE IN A PACKAGE



Drop forged from bar steel, nicely finished, knurled sleeve, patent lock nut and ratchet stop. Graduated to read by thousandths of an inch. One inch has decimal equivalents stamped on frame. Other sizes marked to show capacity.

No. 9215—Inches	1	2	3
per doz., in. . .	0 to 1	1 to 2	2 to 3
per doz., lbs. . .	5½	10½	12
per dozen	\$172.80	155.50	181.40
No. 9215—Inches	4	5	6
per doz., in. . .	3 to 4	4 to 5	5 to 6
per doz., lbs. . .	17	20	28
per dozen	\$194.00	216.00	233.20

STARRETT HIGH SPEED INDICATORS



This indicator may be run at highest speed required without heating, and this on account of frictionless bearing against which the inner end of the spindle revolves. The dial plate has two rows of figures, reading right or left, as the shaft may run. The rotating disc being carried by friction, may be moved to the starting point where the raised knobs coincide. When the spindle is placed in connection with the revolving shaft, pressing the raised knob with the thumb will prevent the disc from rotating, while the hand of the watch gets to the right position to take the time. By releasing the pressure the disc is liberated for counting the revolutions of the shaft when every 100 may be noted by feeling the knob pass under the thumb lightly pressed against it, thus relieving the eye, which has only to look on the watch to note the time.

No. 104—Nickel plated scored steel handle, hardened steel pointed spindle with rubber tip for pointed or hollow center, encased working parts 5½ in. long, w't per doz. 3½ lbs., per dozen\$21.60
ONE IN A BOX

STARRETT REGISTERING SPEED INDICATORS



Devised to automatically register hundreds as well as units and tens, and thus relieve the mind from keeping tally. The instrument will register 5,000 revolutions. The large dial is graduated into one hundred lines, each one representing a revolution of the spindle. The small dial has fifty lines cut upon its face, each representing one hundred revolutions of the spindle (or one complete turn of the large dial). A spring finger trip attached to the case engages with one of the lines in the small dial and holds it from revolving until the large dial makes one complete turn, when the trip pin passing under the spring trip lifts it, and the dial is frictionally carried along by the large plate one line, thus showing that one hundred revolutions of the spindle have been made.

No. 107—Nickel plated, hard rubber handle, making a safe insulator when used on electric machinery, hardened steel pointed spindle with rubber tip for pointed or hollow centers, w't per doz. 4½ lbs. . .per dozen \$62.00
ONE IN A BOX

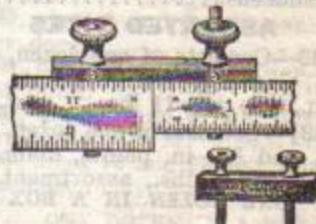
STARRETT KEY-SEAT CLAMPS



Can be put on or off almost instantly, and are a complete substitute for a more costly tool. They may be used with Starrett combination square blades, or with any straight rule, with accurate results.

No. 298—Steel, case hardened and ground accurate, transforms any common steel scale into a key-seat rule, w't per doz. prs. 1½ lbs., per dozen pairs\$12.90
ONE PAIR IN A PACKAGE

STARRETT RULE CLAMPS



For clamping two steel rules together, end to end, making one long rule. The rules may be the same or different widths up to 1½ in. Of special value to mechanics whose tool chests will usually not hold rules longer than 12 inches.

No. 299—Blued steel, w't per doz. prs. 1½ lbs.per dozen pairs \$10.30
FOUR PAIRS IN A PACKAGE

BOSTROM'S FARM LEVELS



The telescope, which is "achromatic" giving a clear field, is equipped with a focusing eye-cap, and contains a system of magnifying glasses enabling you to read the target a quarter of a mile away. On account of the novel elements of construction of this level the telescope may be pointed in any direction desired without the necessity of re-adjusting the instrument.

The level has circle of degrees for obtaining angles; has spirit bubble and all necessary means of adjustment.

No. 22—Brass, highly lacquered and finished, consisting of 3 in. level and 9 in. telescope, tripod, plumb bob, graduated rod and target, w't 11 lbs.each \$36.00
ONE IN A NEAT WOOD CASE

CENTER PUNCHES



Tool Steel, Tempered, Knurled Center.
Nos. 924 925 926
Diam. in. 1-4 5-16 3-8
W't per doz., lbs. 2.50 2.70 3.10
Per dozen \$2.50 2.70 3.10
ONE DOZEN IN A BOX.

NAIL SETS



Cup Point, Blued Knurled Handles, Length 5 in.
STRAIGHT SIZE
No. 40 diam., 3/32 in., size at point, 1/2 in., w't per doz. 1 1/2 lbs.
per dozen \$3.20

ASSORTED SIZES
No. 38—Consists of one dozen, 4 each 3/32, 1/2 and 3/4 in. points, diam. 3/8 in., w't, doz. 1 1/2 lbs. asst. \$3.00
No. 38 1/2—Consists of one dozen, 6 each 3/32 and 1/2 in. points, diam. 3/8 in., w't, doz. 1 1/2 lbs., assortment \$3.00
ONE DOZEN IN A BOX



For use on large nails and spikes.
No. 3 Cup Point—Car builders', high grade tool steel, 3x5 in., oil finished octagon barrel, 1/2 in. cup point, polished taper, w't per doz. 7 lbs., doz. \$7.00
ONE DOZEN IN A BOX



Square head, cup point, blue knurled handle.

STRAIGHT SIZES

Nos. 52 53 54
Size, in. 3/32 1/2 3/4
Length, in. 4 4 4
W't, doz., lbs. 2 2 2
Per dozen \$2.70 2.70 2.70
TWO DOZEN IN A DISPLAY BOX

ASSORTED SIZES

No. 50—Consists of two dozen, assorted 2-32, 3-32, 4-32 and 5-32 in. points, w't, box 1 1/2 lbs., asst. \$5.40
WE DO NOT BREAK BOXES
TWO DOZEN IN A BOX



REVONOC, cast steel, cup point, knurled handles, length 3 1/2 in.

STRAIGHT SIZES

Nos. 35 34
Diam., in. 3/16 5/16
Size at point, in. 3/32 1/2
W't, doz., lbs. 1 1
Per dozen \$2.00 2.00

ASSORTED SIZES

No. 35—Consists of one dozen, 6 each 3/32 and 1/2 in. points, diam. 3/16 in., w't, doz. 1 1/2 lbs., per assortment \$2.00
ALL ABOVE ONE DOZEN IN A BOX

NAIL SETS



cast steel, cup point, blued knurled handles, length 4 in.
STRAIGHT SIZES

Nos. 42 45 46
Diam., in. 3/16 5/16 3/8
Size at point, in. 1/32 3/32 1/2
W't per doz., lbs. 2.10 2.10 2.10
Per dozen \$2.10 2.10 2.10
ONE DOZEN IN A BOX
WE DO NOT BREAK BOXES

ASSORTED SIZES
No. 44—Consists of two dozen, 8 each 2-32, 3-32 and 4-32 in. points, diam. 3/16 in., w't per box 1 1/2 lbs., per assortment \$4.20
TWO DOZEN IN A BOX



SYRACUSE, cast steel cup point, blued knurled handles, length 4 in.

ASSORTED SIZES

No. 37—Consists of two dozen, 8 each 3/32, 1/2 and 3/4 in. points, diam. 3/32 in., w't per box, 1 1/2 lbs.per assortment \$5.30

STRAIGHT SIZES

Nos. 92 93
Diam., in. 3/32 1/2
Size at point, in. 3/32 1/2
W't, doz. lbs. 2.60 2.60
Per dozen \$2.60 2.60
ONE DOZEN IN A BOX
WE DO NOT BREAK BOXES

PUNCH SET ASSORTMENT



No. 124 Cup Point—Tool steel, tempered, polished and blued finish, 3/8 in. knurled body length 4 in. Contains 24 assorted Punches, as follows: 14 only Pin Punches, 1 to 3/4 inch Point. 4 drive, 4 center and 2 Prick Punches. W't per asst. 2 1/2 lbs., per asst. \$5.60
TWO DOZEN IN A DISPLAY BOX

MACHINE PUNCHES

No. 5 Cup Point—1/2 in., cast steel, quality, 3/4 in. point, length 9 in. w't per doz. 8 lbs., per dozen \$4.00
HALF DOZEN IN A BOX



REVONOC, forged from high grade octagon tool steel, polished taper, finished barrel.

STRAIGHT SIZES

Nos. 11 12 13 14
Sizes, in. 6x3 6x3 6x3 6x3
Size at point, in. 3/32 1/2 3/4 1
W't, doz., lbs. 3 3 3 3
Per dozen \$4.00 4.00 4.00 4.00

Nos. 16 18 19
Sizes, in. 6x3 8x3 9x3
Size at point, in. 3/32 1/2 3/4
W't, doz., lbs. 3 5 7
Per dozen \$4.00 4.80 5.70
HALF DOZEN IN A BOX

ASSORTED SIZES

Consists of one dozen, assorted 3/32, 1/2, 3/4 and 1 in. points, diam. 3/8 in., length 6 in., doz. 3 1/2 lbs. ...per assortment \$3.00



REVONOC length 6 in., forged from 3/8 in. octagon tool steel, regular taper, polished, oil finished barrel.

STRAIGHT SIZES

Nos. 104 105 106
Sizes, in. 6x3 6x3 6x3
Size at point, in. 3/32 1/2 3/4
W't, doz., lbs. 3 3 3
Per dozen \$3.60 3.60 3.60
HALF DOZEN IN A BOX

ASSORTED SIZES

Consists of one dozen, assorted 3/32, 1/2 and 3/4 in. points, diam. 3/8 in., length 6 in., w't doz. 3 1/2 lbs., per assortment \$3.00
ONE DOZEN IN A BOX

REGULAR TAPER MACHINE PUNCHES



Forged from high grade octagon tool steel, carefully tempered, polished taper, oil finished barrel.

Nos. 23 25 27 28
Size, in. 7x3 7x3 7x3 8x3
Size at point, in. 3/32 1/2 3/4 1
W't doz. lbs. 3 3 3 4
Per dozen \$4.60 4.60 4.60 5.80

NOS. 23 TO 27, ONE DOZEN; BALANCE HALF DOZEN IN A BOX

COLD CHISELS



CVB, high grade octagon tool steel, extra quality and finish, half polished.

Inches	1-4	3-8	1-2	5-8
Point, in.	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
Length, in.	5	5 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{3}{4}$
Wt. doz., lbs.	11	21	41	7
Per dozen	\$4.60	5.00	5.60	7.00

Inches	3-4	7-8	1
Point, in.	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{4}$
Length, in.	7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 $\frac{1}{2}$
Wt. per doz., lbs.	11	14 $\frac{1}{2}$	19
Per dozen	\$9.60	13.40	16.00

AND 1/2 IN. ONE DOZEN; BALANCE HALF DOZEN IN A BOX



CVB, octagon, tool steel, extra quality, oil finished stock, polished.

Size, in.	1-4	3-8	1-2	5-8
Point, in.	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
Length, in.	5 $\frac{1}{2}$	5 $\frac{1}{2}$	6	7
Wt. doz., lbs.	11	21	41	7
Per dozen	\$4.20	4.70	5.20	6.30

Size, in.	3-4	7-8	1
Point, in.	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{4}$
Length, in.	7 $\frac{1}{2}$	8	8
Wt. per doz., lbs.	11	14	20
Per dozen	\$9.00	12.50	15.00

AND 1/2 IN. ONE DOZEN; BALANCE HALF DOZEN IN A BOX



CVB, Cast Steel, Natural Finish.

Inches	1-4	3-8	1-2	5-8
Point, in.	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
Length, in.	5 $\frac{1}{2}$	5 $\frac{1}{2}$	6 $\frac{1}{2}$	7
Wt. doz., lbs.	11	21	41	7
Per dozen	\$2.00	2.40	2.80	4.00

Inches	3-4	7-8	1
Point, in.	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{4}$
Length, in.	7 $\frac{1}{2}$	7 $\frac{1}{2}$	8
Wt. per doz., lbs.	11	15	20
Per dozen	\$5.00	8.00	11.20

AND 1/2 IN. ONE DOZEN; BALANCE HALF DOZEN IN A BOX

CAPE CHISELS



Octagon, Tool Steel, Oil Tempered.

Size at point, in.	1-4	5-16	3-8	1-2
Diam., in.	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
Length, in.	7	7	7	7 $\frac{1}{2}$
Wt. doz., lbs.	6	6 $\frac{1}{2}$	6 $\frac{1}{2}$	9 $\frac{1}{2}$
Per dozen	\$6.20	6.40	6.70	8.80

HALF DOZEN IN A BOX

LONG BRICK CHISELS



Inches	1-2	5-8	3-4
Length, in.	12	16	18
Wt. doz., lbs.	8	17	18
Per dozen	\$6.00	8.40	12.00

HALF DOZEN IN A PACKAGE

DIAMOND POINT CHISELS



Octagon, Tool Steel, Oil Tempered.

Size at point, in.	1-4	5-16	3-8	1-2
Diam., in.	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
Length, in.	7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 $\frac{1}{2}$	7 $\frac{1}{2}$
Wt. doz., lbs.	7	7	7 $\frac{1}{2}$	15
Per dozen	\$6.90	7.00	8.80	11.40

HALF DOZEN IN A BOX

ROUND NOSE CHISELS



Octagon, Tool Steel, Oil Tempered.

Size at point, in.	1-4	5-16	3-8	1-2
Diam., in.	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
Length, in.	6 $\frac{1}{2}$	7	7	7 $\frac{1}{2}$
Wt. doz., lbs.	5 $\frac{1}{2}$	6	6	9 $\frac{1}{2}$
Per dozen	\$6.20	6.40	6.70	8.80

HALF DOZEN IN A BOX

SADDLERS' OR BELT PUNCHES



CVB, length 4 in., forged from fine tool steel, polished handle, blued barrel, evenly tempered, carefully milled, reamed to allow easy clearance in punching.

CVB , sizes 1, 2 and 3, w't doz. 1 $\frac{1}{2}$ lbs.	per dozen	\$5.60
CVB , sizes 4 and 5, w't, doz. 1 $\frac{1}{2}$ lbs.	per dozen	\$6.40
CVB , sizes 6 and 7, w't, doz. 2 $\frac{1}{2}$ lbs.	per dozen	\$6.80
CVB , sizes 8 and 9, w't, doz. 3 lbs.	per dozen	\$8.00
CVB , sizes 10 and 12, w't, doz. 4 lbs.	per dozen	\$9.00

ONE DOZEN IN A BOX



Cast steel, polished, length 3 $\frac{1}{2}$ in.

No. 50 REVERSE —Sizes 1, 2, 3, 4, 5 and 6, w't per doz. $\frac{1}{2}$ lb.	per dozen	\$3.10
No. 50 REVERSE —Sizes 7, 8 and 9, w't doz. 1 $\frac{1}{2}$ lbs.	per dozen	\$3.80
No. 50 REVERSE —Sizes 10 and 12, w't doz. 1 $\frac{1}{2}$ lbs.	per dozen	\$5.00

ONE DOZEN IN A BOX



Tool steel, tempered, length 3 $\frac{1}{2}$ in.

No. 33 —Sizes 1, 2, 3, 4, 5 and 6, w't doz. $\frac{1}{2}$ lb.	per dozen	\$2.50
No. 33 —Sizes 7, 8 and 9, w't doz. 1 $\frac{1}{2}$ lbs.	per dozen	\$2.80
No. 33 —Size 10, w't, doz. 1 $\frac{1}{2}$ lbs.	per dozen	\$3.50

ONE DOZEN IN A BOX



A handy vest pocket punch. Adjustable blade. Can cut any size hole from $\frac{1}{8}$ to $\frac{1}{2}$ in., easily sharpened on a stone when dull. Cutter is pushed in to handle when not in use.

No. 70 —Rogers, fine quality steel, length 3 in. closed, 5 $\frac{1}{2}$ in. when open, w't per doz. 2 lbs.	per dozen	\$12.00
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ONE DOZEN IN A BOX

SPRING PUNCHES



Q113 Spring Punches are forged from the best tool steel.

The Grip with its mild curve exactly fits the hand.

The Cutting Tubes are made of tool steel, tapered to allow easy escape of leather and can be changed.

The Cutting Seat is copper to protect cutting edges.

No. 24 **Q113**—4 tubes, drop forged tool steel, polished, knurled handles, tubes and spring straw color, sizes 4, 6, 8 and 10, length 9 in., w't per doz. 10 lbs.per dozen \$18.00

No. 10—Tubes for No. 24, per dozen\$2.80

HALF DOZEN IN A BOX



No. 21 **Q113**—Single tube, drop forged tool steel, polished, knurled handles, tube and spring straw color, assorted sizes, length 9 in., w't per doz. 8 lbs., per dozen\$13.00

HALF DOZEN IN A BOX



PARAGON

Full nickel plated, knurled handles. Best quality assorted screw tubes, crucible sheet steel frame, light, strong and durable.

Nos.	284	286
Length, in.	8	8
No. of Tubes	4	6
W't, doz., lbs.	9	9½
Per dozen	\$20.00	24.00

HALF DOZEN IN A BOX



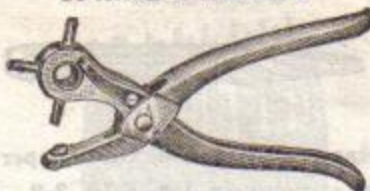
PARAGON

Single tube, full nickel plated, knurled handle, best quality screw tubes, assorted sizes, crucible sheet steel frame. Light, strong and durable.

No. 281—Length 8 in., w't per doz. 5½ lbs.per dozen \$10.00

HALF DOZEN IN A BOX

SPRING PUNCHES



LODI Revolving, pressed steel, polished steel, polished, bright finish, steel, drive tubes sizes 1, 3, 5 and 7, length 8 in., knurled handle.

No. 384—4 tube, w't per doz., 7 lbs., per dozen\$14.40

No. 386—6 tube, w't per doz. 8 lbs., per dozen\$18.40

No. 40—Tubes for No. 384, per dozen\$2.50
ONE IN A BOX



Cast steel, polished, sizes 4, 6, 8 and 10, length 9 in.

Nos.	4	6
No. of tubes	4	6
W't, doz., lbs.	8	10
Per dozen	\$15.00	19.00

No. 30—Tubes for Nos. 4 and 6, per dozen\$2.50

HALF DOZEN IN A BOX



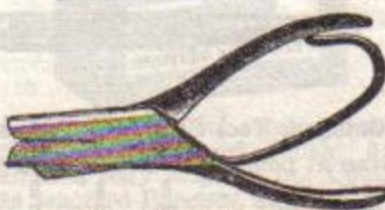
No. 544—Single tube, cast steel polished, assorted sizes from 3 to 9 length 7½ in., w't per doz. 5½ lbs., per dozen\$10.00

No. 20—Tubes for No. 544, per dozen\$2.50
ONE DOZEN IN A BOX

CONDUCTORS' PUNCHES

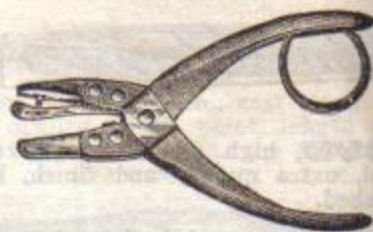


No. 38—Nickel plated, fancy holes, assorted, length 5½ in., w't per doz. 3 lbs.per dozen \$26.00
HALF DOZEN IN A BOX



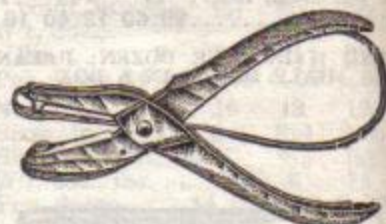
No. 120—Nickel plated, with fancy holes, assorted, length 4½ in., w't per doz. 2½ lbs.per dozen \$20.30
HALF DOZEN IN A BOX

CONDUCTORS' PUNCHES



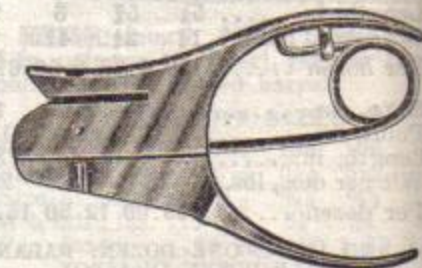
No. 22—Wrought steel, nickel plated, fancy holes, assorted, length 5 in., w't per doz. 2 lbs., per dozen\$4.50

HALF DOZEN IN A BOX



No. 260—Wrought steel, nickel plated with reservoir, fancy holes, length 5 in., w't per doz. 2 lbs., per dozen\$5.00

HALF DOZEN IN A BOX



No. 44—Nickel plated, fancy holes, assorted, length 4 in., w't per doz. 4 lbs.per dozen \$54.00

ONE IN A BOX



This is one of the best punches made for street car transfers and other tickets, as the numbers to be punched can be plainly seen through the punch.

No. 263—Nickel plated, fancy holes, assorted, length 4½ in., w't per doz. 3½ lbs.per dozen \$54.00

ONE IN A BOX

FLAT NOSE



CVD

Deep forged from best special Swedish plier steel, close fitting box joints, polished jaws, gun metal finish handles.

Nos.—CVD	604	605	606	607½
Inches	4	5	6	7½
W't doz., lbs.	1½	2	3½	6
Per dozen	\$18.00	20.00	22.00	25.00

ONE IN A BOX

FLAT NOSE SIDE CUTTING



CVD

Deep forged from best crucible steel, close fitting box joints, polished jaws, gun metal finish handles.

Nos.—CVD	715	716	717
Inches	5	6	7
W't doz., lbs.	4	5	7
Per dozen	\$27.50	31.20	36.00

ONE IN A BOX

ROUND NOSE



CVD

Deep forged from best special Swedish plier steel, close fitting box joints, polished jaws, gun metal finish handles.

Nos.—CVD	624	625	626	627
Inches	4	5	6	7
W't doz., lbs.	1½	1¾	3½	5½
Per dozen	\$18.00	20.00	22.00	25.00

ONE IN A BOX

LINEMAN'S PLIERS



NEVER SLIP

A very high grade tool in every way, 8 inch full polished, forged steel handles, extra fine crucible steel inserted cutting jaws securely fastened to plier with countersunk screws, the removable cutters can be easily replaced, thus increasing many times life of plier, w't per doz. 8½ lbs.

Nos.	460	470	480
Length ins.	6	7	8
W't doz. lbs.	5½	8	8½
Per dozen	\$44.00	48.00	52.00

ONE PAIR IN A BOX

EXTRA JAWS FOR NEVERSLIP PLIERS

For No. 480—Per dozen pairs \$12.00



The rubber is a special composition, seamless, moulded to the handles, and almost unbreakable, offering a perfect resistance of about 2,000 volts.

No. 380 **CVD**—8 in., forged tool steel, highly polished jaws, with hard rubber insulated handles, w't per doz. 13 lbs. . .per dozen \$56.00

ONE IN A BOX



CVD

Crucible steel, highly polished, bright jaws, gun metal finish handles, with wire cutter.

Nos.	260	270	280
Length, in.	6	7	8
W't, doz., lbs.	6	9	12½
Per dozen	\$25.80	31.20	36.00

ONE IN A BOX

COMBINATION PLIERS



CVD

SEXTET, special Swedish plier steel, polished jaws, gun metal finish handles, combines flat nose, gas, side and wire cutter pliers, screw driver and reamer.

Nos.—CVD	736	737	738
W't, doz., lbs.	5½	9½	11½
Per dozen	\$21.60	23.60	25.60

ONE IN A BOX

SIDE CUTTING PLIERS



REVONOC

Cast steel, forged, raised cutters, oil finished, lap joint, polished jaws.

Nos.	160	170	180
Inches	6	7	8
W't, doz., lbs.	5	6	10
Per dozen	\$19.20	21.20	22.80

HALF DOZEN IN A BOX



KLEIN'S, forged crucible steel, polished heads and cutters, black handles.

Nos.	2016	2017	2018	2019
Inches	6	7	8	9
W't, doz., lbs.	5	7½	12	13
Per dozen	\$51.00	57.40	63.80	76.50

ONE IN A BOX

MILLINERS' PLIERS



No. 450 **CVD**—5 in. nickel plated, flat nose with side cutter, extra quality crucible steel, w't per doz. 2 lbs., per dozen \$20.00

ONE IN A BOX



Combination oval nose and side cutting nippers.

No. 99—5 in., bright polished, cast steel, w't per doz. 2½ lbs., per dozen \$18.00

ONE DOZEN IN A BOX

No. 199—5 in., nickel plated, extra quality cast steel, w't per doz. 2½ lbs. . .per dozen \$22.00

HALF DOZEN IN A BOX

FLAT NOSE PLIERS



LODI, wrought steel, bright.

No. 300—In.	4	5	6
W't per doz., lbs.	1	1½	2½
Per dozen	\$1.50	2.20	2.80

DOZEN IN A BOX

**ELECTRICIAN'S
PLIERS****Round Nose.**

No. 68 **GVD**—5½ in., drop forged, lap joint, long polished jaws, gun metal finish handles, w't per doz. 2 lbs.per dozen \$18.80
ONE IN A BOX

**Round Nose Side Cutting.**

No. 69 **GVD**—5½ in., drop forged lap joint, long polished jaws, gun metal finish handles, w't per doz. 2½ lbs.per dozen \$21.20
ONE IN A BOX

**Round Long Needle Nose Side Cutting.**

No. 779 **GVD**—Length 7 in., jaw 2½ in., hand forged, lap joint, long polished jaws, gun metal finish handles. This plier is adapted for extra fine work, w't per doz. 3 lbs., per dozen\$28.00
ONE IN A BOX

**Flat Nose.**

No. 63 **GVD**—5½ in., drop forged, lap joint, long polished jaws, gun metal finish handles, w't per doz. 2 lbs.per dozen \$20.00
ONE IN A BOX

**Flat Nose Side Cutting.**

No. 65 **GVD**—6 in., drop forged, lap joint, long polished jaws, gun metal finish handles, w't per doz. 2½ lbs.per dozen \$22.40
ONE IN A BOX

PLIERS**KLIEN'S ELECTRICIAN'S PLIERS****Oblique Cutting**

Electricians, telephone men and switchboard builders will find this particular oblique cutting plier one of the most useful tools in their kits. Cuts close, the narrow head permitting its use in confined places. The knives are perfectly fitted, so that they meet accurately at all points.

Nos.	2025	2026
Inches	5	6
W't, per doz. lbs.	4	4½
Per dozen	\$35.10	41.40

ONE IN A BOX

**Long Nose**

This style of plier has been perfected to meet a long felt want of the electrician and general mechanic. It is adaptable to stripping the ends of insulated wire and the extra long reach of the jaws permits working in confined space.

WITHOUT CUTTERS

Nos.	3015	3016
Inches	5	6
W't, per doz., lbs.	2½	3
Per dozen	\$31.90	35.10

WITH SIDE CUTTING KNIVES

Nos.	2035	2036
Inches	5	6
W't, per doz. lbs.	2½	3
Per dozen	\$38.20	41.40

ONE IN A BOX

**Long Flat-Nose**

Extra long wide flat nose makes this an especially useful plier.

No. 3056—6 in., w't per doz. 3½ lbs., per dozen\$35.10
ONE IN A BOX

**Long Flat-Nose Side-Cutting**

Extra long flat nose, side cutting knives.

No. 2066—6 in., w't per doz., 3½ lbs., per dozen\$41.40
ONE IN A BOX

**DIAGONAL CUTTING
PLIERS**

These are extra heavy and are designed so as to give very strong leverage in using. One pound pressure on handles cuts twenty pounds on jaws.
No. 7 **GVD**—6½ in., crucible steel, polished jaws, gun metal finish, knurled handles, w't per doz. 6½ lbs., per dozen\$20.40

ONE IN A BOX



Swedish pattern, crucible steel, box joint, polished jaws, gun metal finish handles.

Nos. — GVD	275	276
Inches	5	6
W't per doz., lbs.	2½	3
Per dozen	\$24.00	28.00

ONE IN A BOX

END CUTTING NIPPERS

Hand forged from special Swedish plier steel, lap joint, polished jaws, gun metal finish handles.

Nos. — GVD	774	775	776
Inches	4	5	6
W't, doz., lbs.	2½	4	5½
Per dozen	\$19.20	20.50	22.80

ONE IN A BOX

**BERNARD**

No. 165—6 in. drop forged, nicked plated knurled handles, black jaws, polished cutting edges, compound leverage, which gives it great cutting power, jaws open ¾ in., w't per doz. 7½ lbs., per dozen \$28.80
HALF DOZEN IN A BOX

CUTTING PLIERS



BERNARD'S, crucible steel, full nickel plated, parallel jaws.

No. 102—In.	4½	5	5½
Wt per doz., lbs. ..	3	4½	4½
Per dozen	\$23.00	26.00	29.00
No. 102—In. 6	6½	7	8
Wt per doz., lbs.	6	6½	10
Per dozen	\$32.00	35.00	40.00
ONE IN A BOX			

REPAIRS FOR NO. 102

Replaces	4½	5½	6½	8
Sheet Cutting, lbs.	\$8.00	10.00	12.00	17.00
Rear Cutting, lbs.	5.00	5.50	6.00	7.50
Lower Plain 4.00	5.00	6.00	8.00	

CUTTING PLIERS



BERNARD'S combination gas and cutting pliers, flat nose.

Nickel plated, crucible steel, parallel jaws.

No. 128—In.	5	6	7
Wt per doz., lbs. ..	4½	6½	9½
Per dozen	\$26.00	32.00	40.00

ONE IN A BOX

ROUND BELT PUNCH PLIERS



BERNARD'S

No. 1120—6 in., crucible steel, nickel plated, parallel jaws, cuts and pierces ½ in. round belting. Also adapted for removing and clamping belt hooks, w't per doz. 6 lbs., per dozen\$30.00

ONE IN A BOX

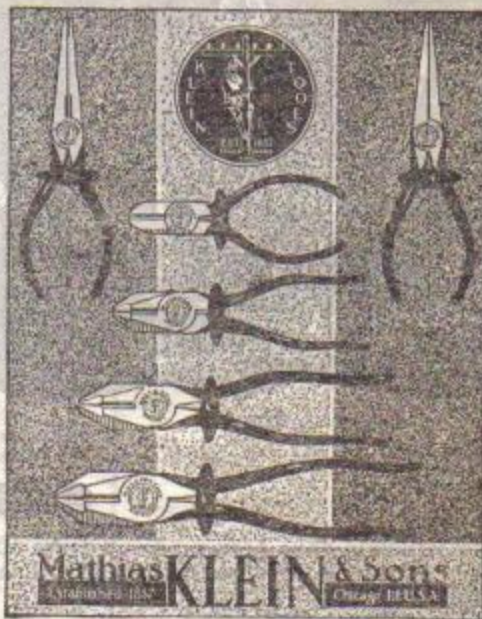
PLIER ASSORTMENTS



BERNARD

No. 15—Assortment consists on one each No. 102, 4½, 5½, 6, 8 in., No. 128, 5, 6 and 7 in. Bernard Pliers. Mounted on attractive metal display board, size 9x16 in. Finished in three colors. No extra charge for display board. Wt per doz. 9 lbs., per assortment\$20.50

ONE IN A BOX



KLEIN

No. 4—Assortment consists of:
 3 No. 203-6 in. Long Nose Side Cutting Pliers.
 3 No. 301-6 in. Long Nose Pliers.
 3 No. 202-5 in. Oblique Side Cutting Pliers.
 3 No. 201-6 in. Side Cutting Pliers.
 3 No. 201-7 Side Cutting Pliers.
 3 No. 201-8 in. Side Cutting Pliers.

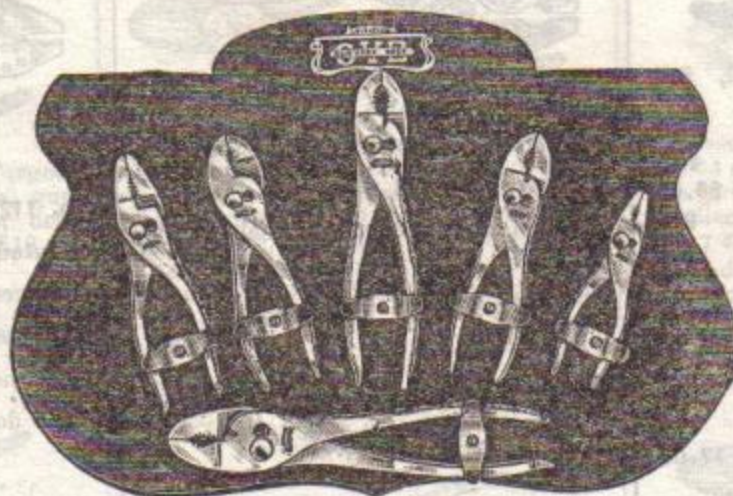
One of each of above are mounted on attractive metal blue display board, size 14x11 inch.

Each assortment has packed with it enameled door signs, counter folders and extra booklets for sales help. Is priced at regular selling price of pliers, without any extra charge for display board. Wt per ass't. 17½ lbs., per ass't\$70.00

ONE ASSORTMENT IN A BOX

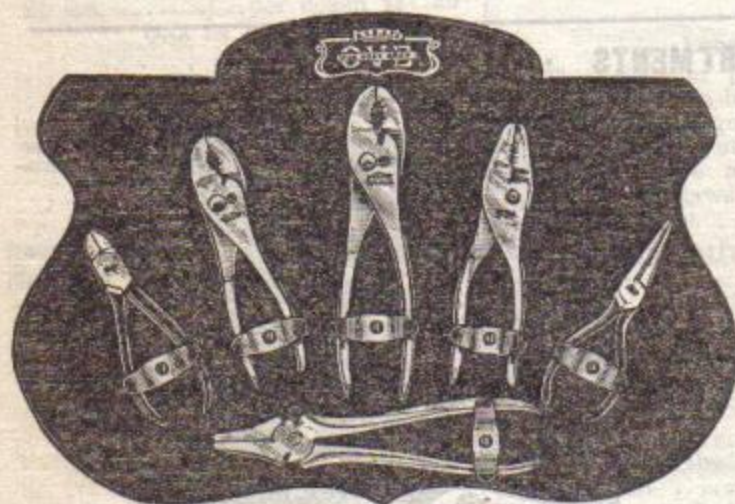
OYE PLIER ASSORTMENTS**THE LOGICAL CHOICE OF THOSE WHO JUDGE VALUE BY PRACTICAL SERVICE**

These Pliers are all forged from special steel exactly and individually tempered and possess unique, practical features in design and finish which give them unmistakable distinction.

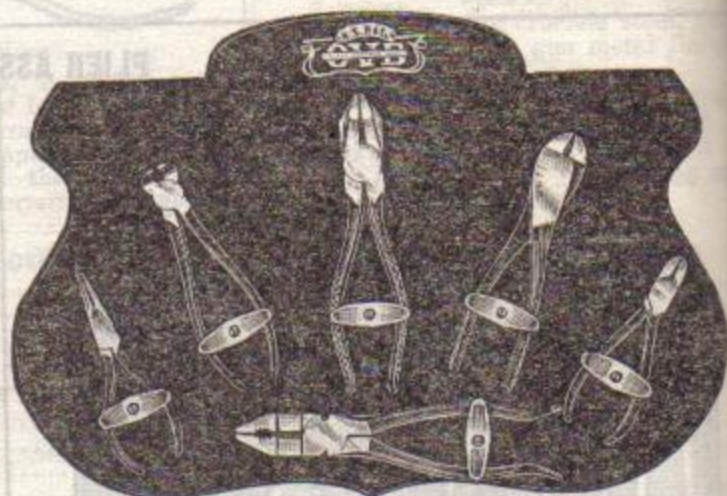


No. 24.

Scientifically designed and perfectly balanced. They are not head heavy. This insures utmost leverage—the strain being uniformly distributed over the entire tool, making for greater strength and durability.



No. 22.



No. 18.

OYE PLIER ASSORTMENTS

These assortments have been made up from our regular stock and comprise the best selling sizes in high grade pliers. They are very attractive in appearance and will afford valuable help to the dealer in selling. No charge is made for the display board.

One of each number of pliers in the assortment is mounted on attractive wood display board, made in three ply to prevent warping. Board is attractively finished in mahogany. Each plier is securely fastened to board with nickel plated bolt and nut. Board has a wire easel on back for support.

No. E24—OYE Plier Assortment.
The assortment contains following
OYE Combination Pliers: Two each Nos. 210 and 405, three No. 208, seven each Nos. 206 and 406 and three Hibbard Combination Pliers. W't per assortment 15 lbs., per assortment\$32.50

No. E22—OYE Plier Assortment.
The assortment contains following
OYE Pliers: Two each Nos. 27—5 in. and No. 208, three each Nos. 69 and 47—8 in. and six each Nos. 206 and 406. W't per assortment 13½ lbs.per assortment \$33.50

ONE ASSORTMENT IN A BOX

No. E18—OYE Plier Assortment.
The assortment contains following
OYE Pliers: Four each Nos. 61 and 270, two each Nos. 27—5 in. and No. 77—6 in., three each No. 7 and No. 73—8 in. W't per assortment 13½ lbs.per assortment \$37.00

ONE ASSORTMENT IN A BOX

ONE ASSORTMENT IN A BOX

COMBINATION PLIERS



QVD, finely nickel plated, crucible steel, knurled handles, narrow jaw.

A combination gas plier, wire cutter, wrench and screw driver.

Nos.	206	208	210
Length, in.	6	8	10
Wt. doz., lbs.	6	9	12
Per dozen	\$16.00	20.00	24.00



Extra fine polished, coppered, and nickel plated, mirror buffed, wide spread Dentyne knurled handles, with U.S.A. shield. Will handle all sizes of spark plugs, pipes and nuts from 1/4 to 1 in., combines wire cutter, gas plier, wrench and screw driver.

No. 405 QVD—5 1/2 in., w't per doz.	
4 lbs.	per dozen \$15.00
No. 406 QVD—6 1/2 in., w't per doz.	
5 1/2 lbs.	per dozen \$16.00

ONE IN A BOX
HALF DOZEN IN A CARTON



REVONOC

High grade tool steel, drop forged, combining gas plier, wire cutter, wrench and screw driver, knurled handles.

No. 322 REVONOC—6 in., nickel plated, w't per doz. 6 lbs.,	
per dozen	\$7.60



REVONOC

High grade tool steel, drop forged, combining gas plier, wire cutter, wrench and screw driver, knurled handles.

Nickel Plated.

Nos.	322 1/2	323
Length, in.	8	10
Wt. doz., lbs.	9	12
Per dozen	\$10.80	15.20

ONE IN A BOX



Knurled Handle.

No. 300 REVONOC—6 in., nickel plated cast steel, combining side cutter, gas plier, screw driver and reamer, w't per doz. 6 1/2 lbs.	per dozen \$11.50
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COMBINATION PLIERS



The thin bent nose is designed to be used on check nuts and similar work inaccessible with regular pliers.

No. 326 REVONOC—Thin bent nose combination pliers, 6 in., nickel plated, forged steel, combining gas plier, wire cutter, wrench and screw driver, w't per doz. 5 1/2 lbs., per dozen \$10.80



Combines the adaptability of a gas plier, a wire cutter, wrench and a screw driver. The curved lower jaw will force any object against the straight upper jaw for its entire length thus giving increased bearing surface. The straight jaw has a groove for holding wire and rods parallel with the jaws. This plier is especially convenient for handling all kinds of odd shaped screws, pins, etc.

No. 777 REVONOC—Special combination, 7 in., finely nickel plated crucible steel, knurled handles, w't per doz. 7 lbs. per dozen \$10.80



Nickel plated, combining gas plier, wire cutter, wrench and screw driver.

No. 305—Cruso, drop forged, 5 in., w't per doz. 4 1/2 lbs., per dozen \$5.00
No. 306—Cruso, drop forged, 6 in., knurled handle, w't per doz. 6 lbs., per dozen \$5.00

ONE IN A BOX

Bolts and nuts, for No. 306, per dozen \$1.00



CRUSO, nickel plated forged steel, combining gas plier, wire cutter, wrench and screw driver.

Nos.	308	310
Length, in.	8	10
W't per doz., lbs.	9	12
Per dozen	\$7.60	11.40

ONE IN A BAG

COMBINATION PLIERS



BERNARD

Forged steel, full nickel plated, knurled handles, combining side cutter, gas plier and screw driver. A universal slip-joint cutting plier. Jaws are formed to hold objects of any shape or form without slipping. The flush center pin and narrow nose increases the range and efficiency of the tool, while the broad scored handles are comfortable to the grip.

Nos.	605 1/2	607	608
Length, in.	5 1/2	7	8
W't per doz., lbs.	3 1/2	6 1/2	10
Per dozen	\$22.00	26.40	33.00

HALF DOZEN IN A BOX



Narrow jaw, especially useful for automobile work.

No. 97 REVONOC—7 1/2 in., nickel plated thin jaw, forged tool steel, w't per doz. 7 lbs. per dozen \$12.00

HALF DOZEN IN A BOX

SLIP JOINT NUT PLIERS



V AND B

No. 125—Forged tool steel, black finish. Milled jaws with wire cutter, designed especially for use on nuts or bolts; holds nuts 1/16 to 1 in. outside; w't per doz. 7 1/2 lbs., per dozen \$16.00

HALF DOZEN IN A BOX

BURNER PLIERS



No. 6 **OVD**—6 in., full polished, drop forged tool steel, tempered in oil, w't per doz. 4½ lbs., per dozen\$11.50

HALF DOZEN IN A BOX



No. 06 **REVONOC**—6 in., extra quality steel, oil finished, polished jaws, w't per doz. 4½ lbs. ...per dozen \$10.90

HALF DOZEN IN A BOX

GAS PLIERS



OVD

Full polished, drop forged tool steel, tempered in oil.

Nos. **OVD** 80 110
Inches 8 10
W't per doz., lbs. 8 11
Per dozen\$13.90 17.20

HALF DOZEN IN A BOX



REVONOC

Cast steel, oil finished, polished jaws.

Nos. 8 10
Inches 8 10
W't per doz., lbs. 7½ 11½
Per dozen\$13.30 16.40

HALF DOZEN IN A BOX

STAPLE PULLERS



No. 19 **OVD**—Length, 10 in., forged tool steel, polished head, blued handles, combining staple puller, wire cutter, splicer and hammer, w't per doz. 22 lbs., per dozen\$30.00

ONE IN A BOX



No. 29 **REVONOC**—Length 10 in., forged steel, blued finish, combining staple puller, wire cutter, splicer and hammer, w't per doz. 22 lbs., per dozen\$28.00

ONE IN A BOX



No. 010—**Hercules**, cast steel, bright jaws, combining wire cutter, staple puller, splicer and hammer, length 10 in., w't per doz. 21 lbs., per dozen\$28.00

HALF DOZEN IN A BOX



No. 104—**Black Bull**, forged steel, polished jaws, blued handles, combining wire cutter, staple puller, splicer and hammer, length 10 in., w't per doz. 24 lbs., per dozen\$30.00

ONE IN A BOX

FENCING PLIERS



No. 12—**Cronk's**, forged tool steel, polished jaws, combining plier, wire cutter, staple puller and hammer, length 11 in., w't per doz. 21 lbs., per dozen\$30.00

HALF DOZEN IN A BOX

BUTTON PLIERS AND WIRE CUTTERS



Extra Quality Steel, Full Polished

A highly finished high grade tool for constant use, the handle is rounded and fits the hand

Nos.	474½	476	478	4710
Inches	4½	6	8	10
Cut wire No. 14	11	8	6	
W't, doz., lbs.	2½	4	7½	11
Per dozen	\$13.20	15.00	18.00	22.80

HALF DOZEN IN A BOX



OVD

Stop joint, highest grade tool steel, full polished, beveled jaws, knurled handles.

When open, the wire cutters stop opposite each other so that the plier is always ready to receive the wire. The jaws are beveled to prevent breaking wire in twisting it.

Nos.	574½	576	578	5710
Inches	4½	6	8	10
Cut wire No. 14	11	8	6	
W't, doz., lbs.	2½	4	8	13
Per dozen	\$12.60	14.30	17.20	21.60

HALF DOZEN IN A BOX



REVONOC

Stop joint, extra heavy wide jaws polished, forged from high grade tool steel.

Nos.	804½	806	808	8010
Inches	4½	6	8	10
Cut wire No. 14	11	8	6	
W't, doz., lbs.	3	6	10	17
Per dozen	\$11.00	12.20	14.80	18.80

ONE IN A BOX

HALF DOZEN IN A CARTON



CRONK'S, Cast Steel, Bright Jaws

Nos.	198	200
Length, in.	8	10
W't, doz., lbs.	9	14
Per dozen	\$27.00	30.00

HALF DOZEN IN A BOX



CRUSO

Cast steel, polished jaws, black handles.

A strong, well made plier.

Nos.	506	508	510
Length, in.	6	8	10
W't, doz., lbs.	4½	9	13
Per dozen	\$11.40	13.80	18.20

HALF DOZEN IN A BOX

CARPENTERS' PINCERS



CVB, extra quality, black finish, knurled handles, with claw, screw driver and wire cutter.

Nos.	CVB	106	108	1010	1012
Length over all, in.		6	8	10	12
Cuts bolts up to, in.		5½	10	15	18
W't each, lbs.		5½	10	15	18
Per dozen		\$12.00	15.50	19.30	21.00

HALF DOZEN IN A BOX



CVB, extra quality, black finish, with claw, screw driver and wire cutter.

Nos.	CVB	166	168	1610	1612
Length over all, in.		6	8	10	12
Cuts bolts up to, in.		5½	10	15	18
W't each, lbs.		5½	10	15	18
Per dozen		\$11.20	14.60	18.80	20.60

HALF DOZEN IN A BOX



CRUSO, good quality, oil finish with claw and screw

Nos.	CRUSO	176	177	178	1710
Length over all, in.		6	7	8	10
Cuts bolts up to, in.		5	9½	14	17
W't each, lbs.		5	9½	14	17
Per dozen		\$9.00	10.90	12.50	15.60

HALF DOZEN IN A BOX

PORTER'S BOLT CUTTER



Forged tool steel, adjustable jaws, japanned malleable iron handles, all parts interchangeable, ample adjustment to take up the wear on the cutting edges.

The O. K. Cutters are made to meet the demand for a lower priced bolt cutter than the regular New Easy, being a necessity for farm and household.

Length over all, in.	10	14
Cuts bolts up to, in.	10	14
W't each, lbs.	5½	11
Per dozen	\$4.00	4.50

TWENTY-FIVE IN A CASE



PORTER

Japanned malleable iron handles, tool steel jaws tempered for cutting bolts, rivets, wire, etc.

NO. 1855—Length overall 12 in., for bolts ½ in. and smaller, w't per doz. 18 lbs.

LOOSE

★ Items Marked Thus ★ Are Shipped From Factory Only.

PORTER'S BOLT CLIPPERS

PORTER'S "NEW EASY," compound lever action, forged tool steel adjustable jaws, japanned malleable iron handles, rubber buffers, all parts interchangeable.



These clippers have an adjustable set screw requiring no special shim or wrench.

Nos.	0	1
Length over all, in.	18	24
Cuts bolts up to, in.	5½	8
W't each, lbs.	3	5½
Each	\$6.00	8.00

HALF DOZEN IN A CASE

No. 0J—Extra Jaws, for No. 0per pair \$3.30

No. 1J—Extra Jaws, for No. 1per pair 4.00



PORTER'S "NEW EASY"—Equalizing device is in the gear teeth between the two jaws. Any degree of adjustment is secured by means of the set screw and eye bolt. Requires only an ordinary monkey wrench for use on all parts.

Nos.	2	3
Length over all, in.	30	36
Cuts bolts up to, in.	1	2
W't each, lbs.	9	13
Each	\$11.40	14.60

HALF DOZEN IN A CASE

No. 2J—Extra Jaws, for No. 2per pair \$5.70

No. 3J—Extra Jaws, for No. 3per pair 7.20



PORTER'S "EASY"—Equalizing device is in the equalizing gears. Adjustment is secured by steps by the use of shims. Requires special wrench for use on lock nuts.

No. F11—For bolts 1 in. and smaller, length 24 in., w't 4½ lbs.★each \$8.00

HALF DOZEN IN A CASE

No. F11J—Extra Jaws, for No. F11★per pair \$4.00



PORTER'S "EASY"—A steel shim and wrench is furnished with each clipper for adjusting.

No. F12—For bolts 1 in. and smaller, length 30 in., w't 7½ lbs.★each \$11.40

HALF DOZEN IN A CASE

No. F12J—Extra Jaws, for No. F12★per pair \$5.70

Our Pincers and Pliers Are Superior in Every Way. They Are Made of Fine Tool Steel, Carefully Tempered and Extra Finished.

SHOE PINCERS



PEXTO

No. 56—6 in. forged steel, polished jaws, black handles, made especially for shoe-makers, but is a handy tool for use about home, farm and garage. W't per doz. 7½ lbs., per dozen\$8.40

HALF DOZEN IN A BOX

BLACKSMITHS' PINCERS



Finest quality solid steel, polished jaws.

Nos.	1810	1812	1814
Inches	10	12	14
W't doz., lbs.	17	21	24
Per dozen	\$19.70	20.80	23.10

HALF DOZEN IN A BOX

FARRIERS' SHOEING PINCERS



No. 034—14 in., solid steel, polished jaws, w't per doz. 32½ lbs., per dozen\$39.60

SIXTH DOZEN IN A CASE



No. 2014—Heller's, 14 in., cast steel, polished jaws, w't per doz. 33 lbs., per dozen\$45.60

QUARTER DOZEN IN A BOX

HOOF CUTTING NIPPERS



EXTRA

Extra Tool Steel, Full Polished.

Nos.	520	540
Inches	12	14
W't doz., lbs.	21	23
Per dozen	\$36.00	42.00

HALF DOZEN IN A BOX



HIBBARD

Drop forged tool steel, polished jaws, the jaws on these nippers are so designed that great leverage is obtained making the work very easy when cutting.

Nos.	60	64
Length, in.	10	14
W't doz., lbs.	11	24
Per dozen	\$17.60	23.80

HALF DOZEN IN A BOX



HELLER'S Cast Steel, Full Polished.

Nos.	24A	24
Inches	12	14
W't doz., lbs.	21	31
Per dozen	\$45.60	54.80

HALF DOZEN IN A BOX



No. 1—13 in., hoof-nippers, drop forged tool steel, japanned, polished jaws, w't per doz. 19 lbs., per dozen\$22.00

HALF DOZEN IN A BOX

HOOF PARING NIPPERS



EXTRA

Extra Cast Steel, Full Polished.

Nos.	620	640
Inches	12	14
W't doz., lbs.	25	26
Per dozen	\$36.00	42.00

HALF DOZEN IN A BOX



REYNOLDS

Solid Steel, Polished Jaws.

Nos.	212	214
Inches	12	14
W't doz., lbs.	23½	25½
Per dozen	\$32.40	36.00

HALF DOZEN IN A BOX



HELLER'S, Cast Steel, Full Polished.

Nos.	23A	23
Inches	12	14
W't doz., lbs.	22	32
Per dozen	\$45.60	54.80

HALF DOZEN IN A BOX

LARSON PINCERS



Drop forged tool steel, japanned polished jaws.

No. 2H—Heavy, 13 in., w't per doz. 20 lbs.per dozen \$24.00

HALF DOZEN IN A BOX

★ Items Marked Thus ★ Are Shipped From Factory Only.

REYNOLDS KNIFE HANDLE



Forged steel bar through end of handle, case hardened jaws, two teeth in handle.

Nos.	146	148	1410
Length, in.	6	8	10
Opening, in.	3	1 1/2	1 1/2
Doz. in a box	1	1	1
W't, doz., lbs.	9	16	26
Per dozen	\$15.00	18.00	22.00
Nos.	1412	1415	1418
Length, in.	12	15	18
Opening, in.	2 1/2	2 3/4	3 1/2
Doz. in a box	1	1	1
W't, doz., lbs.	38	55	80
Per dozen	\$28.00	38.00	48.00

HALF DOZEN IN A PACKAGE

COE'S STANDARD



Forged steel bar, head and screw, case hardened hardwood knife handle. Working surfaces hardened; handle ends retained at ends and in centre. Each integral part is a solid piece, no rivets in jaw, or pins in screw.

Nos.	106	108	1010	1012
Length, in.	6	8	10	12
Opening, in.	$\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{4}$
Doz. in pkg.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
W't, doz. lbs.	$8\frac{1}{2}$	16	26	38
Per dozen	<u>\$15.00</u>	<u>18.00</u>	<u>22.00</u>	<u>28.00</u>
Nos.	1015	1018	1015	
Length, in.	15	18	21	
Opening, in.	$2\frac{1}{2}$	$3\frac{1}{2}$	4	
Doz. in pkg.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	
W't, doz. lbs.	56	81	108	
Per dozen	<u>\$38.00</u>	<u>48.00</u>	<u>58.00</u>	
HALF DOZEN IN A PACKAGE				

HALF DOZEN IN A PACKAGE

TRIMO MONKEY



ALL STEEL

Coverage increases in proportion to increased size of nut, as movable jaw extends forward instead of toward nut not rounded rendering them practicable to adjust. Threads of both jaw usually indestructible, all steel, drop-forged and hardened; the nut-guards keep the jaws in adjustment.

	176	178	1710	1712
Length, in.	6	8	10	12
Opening, in.	1½	1½	1½	2½
Doz. in box	1	1	1	1
W't, lbs.	10	18	33	50
Per dozen	<u>\$15.00</u>	<u>18.00</u>	<u>22.00</u>	<u>28.00</u>
	1715	1718	1721	
Length, in.	15	18	21	
Opening, in.	2½	3¼	4½	
Doz. in box	1	1	1½	
W't, lbs.	73	102	162	
Per dozen	<u>\$38.00</u>	<u>48.00</u>	<u>58.00</u>	

WRENCHES GIRARD AGRICULTURAL



Wrought steel bar, head and screw, oil finished hardwood handle.

Nos.	406	408	410
Length, in.	6	8	10
Opening, in.	$\frac{3}{8}$	$1\frac{1}{2}$	$1\frac{1}{2}$
W't, doz., lbs.	8	15	22
Per dozen	<u>\$10.00</u>	<u>12.00</u>	<u>14.00</u>
<hr/>			
Nos.	412	415	
Length, in.	12	15	
Opening, in.	2	$2\frac{1}{4}$	
W't per doz., lbs.	26	40	
Per dozen	<u>\$18.00</u>	<u>24.00</u>	

HALF DOZEN IN A PACKAGE

P. S. & CO.'S SOLID HANDLE



One piece, solid steel forging, case hardened, oil finished hardwood riveted handle, warranted.

Nos.	866	868	8610	8612
Length, in. .	6	8	10	12
Opening, in. .	$\frac{3}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$	$2\frac{1}{8}$
Doz. in box .	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
W't, dz., lbs.	9	16	26	38
Per dozen	<u>\$15.00</u>	<u>18.00</u>	<u>22.00</u>	<u>28.00</u>
Nos.	8615	8618	8621	
Length, in.	15	18	21	
Opening, in.	$2\frac{3}{16}$	$3\frac{1}{8}$	4	
Doz. in-box	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	
W't doz., lbs.	55	80	126	
Per dozen	<u>\$38.00</u>	<u>48.00</u>	<u>58.00</u>	

HALF DOZEN IN A PACKAGE

P. S. & CO.'S ALL STEEL



Head, bar and handle forged solid from one piece of steel, black.

Nos.	876	878	8710	8712
Length, in. .	6	8	10	12
Opening, in. .	$\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$2\frac{1}{8}$
Doz. in box .	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
W't, dz., lbs.	10	18	33	50
Per dozen	<u>\$15.00</u>	<u>18.00</u>	<u>22.00</u>	<u>28.00</u>
Nos.	8715	8718	8721	
Length, in.	15	18	21	
Opening, in.	$2\frac{3}{8}$	$3\frac{1}{4}$	4	
Doz. in box	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	
W't doz., lbs.	73	102	162	
Per dozen	<u>\$38.00</u>	<u>48.00</u>	<u>58.00</u>	

ADJUSTABLE "S"



B. & C. WESTCOTT PATTERN, malleable frame, japanned, polished jaws and edges, adjustable.

Nos.	486	488	4810
Length, in.	6	8	10
Opening, in.	1	1½	1½
W't, doz., lbs.	6	12	24
Per dozen	<u>\$8.00</u>	<u>10.00</u>	<u>12.00</u>
<hr/>			
Nos.	4812	4814	
Length, in.	12	14	
W't per doz., lbs.	36	57	
Per dozen	<u>\$18.00</u>	<u>24.00</u>	

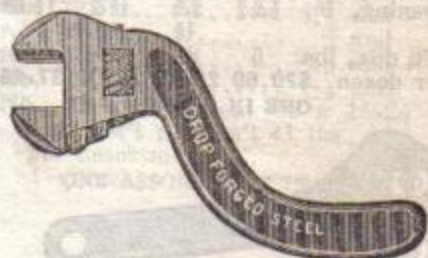
HALF DOZEN IN A BOX



Adjustable wrenches, malleable frame, japanned, polished jaws and edges.

Nos.	756	758	7510
Length, in.	6	8	10
Opening, in.	1	1 1/2	1 1/2
W't, doz., lbs.	6	12	20
Per dozen	\$8.00	10.00	12.00

HALF DOZEN IN A BOX



ROBINSON

Drop forged, from high grade steel, natural finish, polished jaws.

There are two grooves on the movable jaw where it moves through the frame which adds considerably to the strength and firmness of this wrench. Jaws are also thinner than other wrenches which permits their use in places heretofore inaccessible. The opening in jaws are also wider.

Nos.	516	518	520
Length, in.	6	8	10
Opening, in.	1 1/2	1 1/2	1 1/2
W't doz., lbs.	7	11	22
Per dozen	\$16.80	21.00	28.00

HALF DOZEN IN A BOX

DROP FORGED STEEL
WRENCHES

CRESCENT, single end, forged steel ribbed handle, special steel jaws, hardened, tempered and polished, 22½ degree angle engineer's wrench.

Nos.	504	506	508	
Size, in.	4	6	8	
Opening, in.	$\frac{1}{2}$	$\frac{3}{4}$	$1\frac{1}{2}$	
W't per doz., lbs.	$1\frac{1}{2}$	4	8	
Per dozen	\$12.15	12.15	15.00	
Nos.	5010	5012	5015	5018
Size in.	10	12	15	18
Opening, in.	$1\frac{1}{2}$	$1\frac{5}{8}$	$1\frac{1}{2}$	$2\frac{1}{8}$
W't, doz., lbs.	15	24	52	84
Per dozen	\$18.70	28.00	42.00	60.80

STOCK REPAIRS
Jaws.

Nos.	54	56	58	510	512
Size, in.	4	6	8	10	12
Per dozen	\$4.80	4.80	5.76	7.68	11.52

Thumb Knurls.

Per dozen	\$1.90	1.90	2.30	2.90	4.80
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Pins.

Per dozen	\$0.95	.95	.95	.95	1.90
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CRESCENT, double end, forged steel, ribbed handle, special steel jaws, hardened, tempered and polished, 22½ degree angle engineer's wrench.

Parts are interchangeable with Crescent single end wrenches.

Nos.	46	68	80	112
Size, in.	6	8	10	12
Opening, in.	1½	2½	1½	1½
W't, doz., lbs.	5	8½	15	27
Per dozen	\$20.60	23.40	28.00	37.45

ONE IN A BOX



CARLL ADJUSTABLE

Polished jaws, natural finish handles. Drop forged from high grade steel, carefully hardened and tempered, sliding jaws are reversible and can be used for either nut or pipe wrench, also on square or hexagon nuts. Knurl fitted with spiral spring for holding adjustment.

Nos.	66	88	610
Size, in.	6	8	10
Opening, in.	1	1½	1½
W't per doz., lbs.	5	10	18
Per dozen	\$15.00	18.00	23.50

ONE IN A BOX

HALF DOZEN IN A CARTON

GENERAL PURPOSE WRENCHES



Drop Forged Steel, Semi-Finished, Case Hardened.

Nos.	475T	477T	479T
Size bolts, in.	1½ to 2	1½ to 2	1½ to 2
Openings, in.	1½ & 2	1½ & 2	1½ & 2
Length, in.	6½	7½	8½
W't per doz., lbs.	2	3½	6½
Per dozen	\$3.50	4.30	5.50

Nos.	481T	483T
Size bolts, in.	1½ to 2	1½ to 2
Openings, in.	1½ & 2	1½ & 2
Length, in.	9½	10½
W't per doz., lbs.	9½	14
Per dozen	\$7.10	9.00



Drop Forged Steel, Unfinished.

Nos.	475	477	479
Size bolts, in.	1½ to 2	1½ to 2	1½ to 2
Openings, in.	1½ & 2	1½ & 2	1½ & 2
Length, in.	6½	7½	8½
W't per doz., lbs.	2	3½	6½
Per dozen	\$2.30	3.00	3.75

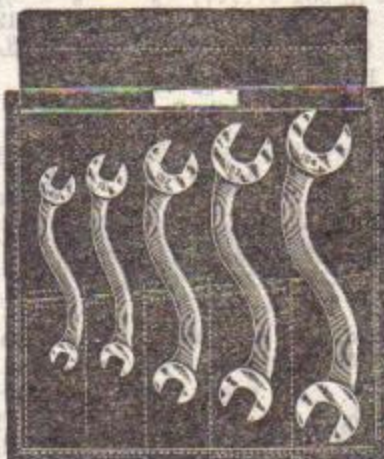
Nos.	481	483
Size bolts, in.	1½ to 2	1½ to 2
Openings, in.	1½ & 2	1½ & 2
Length, in.	9½	10½
W't per doz., lbs.	9½	14
Per dozen	\$4.90	6.50

HALF DOZEN IN A BOX

GENERAL PURPOSE SETS IN
BUNDLES

No. 105—One each Nos. 475, 477, 479, 481 and 483, w't per set 2½ lbs., per set \$1.70

GENERAL PURPOSE SETS



Set consists of 5 wrenches, one each Nos. 475, 477, 481 and 483. For Bolts ½ in. to 1 in. In canvas rolls.

Nos. 110—Unfinished, drop forged, w't per set 2½ lbs. per set \$1.90

No. 115—Semi-finished, case hardened, w't per set 2½ lbs., per set \$2.40

DROP FORGED STEEL
WRENCHES

UNFINISHED, double head, engineers' pattern, 15 degree angle, milled for U. S. standard nuts.

Nos.	21	23	25
Size bolts, in.	1½ & 2	1½ & 2	1½ & 2
Openings, in.	1½ & 2	1½ & 2	1½ & 2
Extreme length, in.	3½	4	4½
W't, doz., lbs.	2	2½	2½
Per dozen	\$1.60	1.80	2.15

Nos.	27	29	31
Size bolts, in.	1½ & 2	1½ & 2	1½ & 2
Openings, in.	1½ & 2	1½ & 2	1½ & 2
Extreme length, in.	5½	6½	7½
W't, doz., lbs.	3½	4½	7
Per dozen	\$2.70	3.45	3.90

Nos.	33	35	37
Size bolts, in.	1½ & 2	1½ & 2	1½ & 2
Openings, in.	1½ & 2	1½ & 2	1½ & 2
Extreme length, in.	8½	9½	11½
W't, doz., lbs.	8½	12½	18½
Per dozen	\$4.80	5.90	8.50

Nos.	39	41
Size bolts, in.	1½ & 2	1½ & 2
Openings, in.	1½ & 2	1½ & 2
Extreme length, in.	13½	13½
W't, doz., lbs.	24	36
Per dozen	\$12.95	18.00

LOOSE

SEMI-FINISHED, double head, engineers' pattern, 15 degree angle, milled for U. S. standard nuts, case hardened.

Nos.	21T	23T	25T
Size bolts, in.	1½ & 2	1½ & 2	1½ & 2
Openings, in.	1½ & 2	1½ & 2	1½ & 2
Extreme length, in.	3½	4	4½
W't, doz., lbs.	2	2½	2½
Per dozen	\$2.15	3.25	3.25

Nos.	27T	29T	31T
Size bolts, in.	1½ & 2	1½ & 2	1½ & 2
Openings, in.	1½ & 2	1½ & 2	1½ & 2
Extreme length, in.	5½	6½	7½
W't, doz., lbs.	3½	4½	7
Per dozen	\$4.00	4.80	5.80

Nos.	33T	35T	37T
Size bolts, in.	1½ & 2	1½ & 2	1½ & 2
Openings, in.	1½ & 2	1½ & 2	1½ & 2
Extreme length, in.	8½	9½	11½
W't, doz., lbs.	8½	12½	18½
Per dozen	\$7.10	8.80	12.40

LOOSE

CHECK NUT OR THIN WRENCHES



WILLIAM'S

Semi-finished, drop forged, double head, 15 degree angle, milled for U. S. Standard nuts and cap screws.

Nos.	623	623D	625
Size Bolt, in.	$\frac{1}{8} \times \frac{1}{4}$	$\frac{1}{8} \times \frac{1}{4}$	$\frac{1}{4} \times \frac{1}{8}$
Cap Screws, in.	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{4} \times \frac{1}{8}$
Openings, in.	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{4} \times \frac{1}{8}$
Extreme length, in.	4	4	4
W't, doz., lbs.	1	1	1
Per dozen	\$3.60	3.60	3.60

Nos.	626S	627	629
Size Bolt, in.	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{4} \times \frac{1}{8}$
Cap Screws, in.	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{4} \times \frac{1}{8}$
Openings, in.	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{4} \times \frac{1}{8}$
Extreme length, in.	5	5	6
W't, doz., lbs.	3	3	5
Per dozen	\$4.60	4.60	5.75

Nos.	629E	631
Size Bolt, in.	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Cap Screws, in.	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Openings, in.	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Extreme length, in.	6	6
W't, doz., lbs.	5	5
Per dozen	\$5.75	5.75

Nos.	632	632X
Size Bolt, in.	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Cap Screws, in.	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Openings, in.	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Extreme length, in.	8	8
W't, doz., lbs.	9	9
Per dozen	\$8.00	8.00

PACKED LOOSE

WRENCH ASSORTMENTS



CAP SCREW WRENCH



WILLIAMS'

Semi-finished, drop forged, double head, 15 degree angle, for Hexagon Head Cap Screws.

Nos.	721	723	723A
Size, Screws	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Openings, milled	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Thickness, head	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$
Extreme length, in.	3	4	4
W't, doz., lbs.	1	1	1
Per dozen	\$2.45	3.00	3.00

Nos.	725	725A	725B
Size Screws	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Openings, milled	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Thickness, head	$\frac{1}{16}$	$\frac{1}{16}$	$\frac{1}{16}$
Extreme length, in.	4	4	4
W't, doz., lbs.	2	2	2
Per dozen	\$3.60	3.60	3.60

Nos.	727	729
Size Screws	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Openings, milled	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Thickness, head	$\frac{1}{16}$	$\frac{1}{16}$
Extreme length, in.	5	6
W't per doz., lbs.	5	6
Per dozen	\$4.45	5.30

Nos.	731	731A
Size Screws	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Openings, milled	$\frac{1}{8} \times \frac{1}{8}$	$\frac{1}{8} \times \frac{1}{8}$
Thickness, head	$\frac{1}{16}$	$\frac{1}{16}$
Extreme length, in.	7	7
W't per doz., lbs.	8	8
Per dozen	\$6.50	6.50

GENUINE CRESCENT

No. E5—Consists of six each 4 and 10 in. and No. 68 twelve each 6 and 8 in., three each 12 in. and No. 80 one each 15 and 18 in., with handsome display board. This 26x25 in. board is made of selected quartered oak, five-ply veneered to prevent warping. It is surrounded by an ornamental molding. Upon the board is mounted a decalcomania transfer showing each wrench in its natural color and full size with the lettering in black and gold. The board is then given a high-rubbed varnish finish, in natural oak, equal to that of the finest furniture, w't each 75 lbs.each \$76.90

WRENCH ASSORTMENTS



All Semi-finished Wrenches. Use our 021T line to fill in for these assortments.

Eighty-four 15 degree angle, double head wrenches in 14 sizes.

SIX EACH OF THE FOLLOWING NOS.

THIN WRENCHES

No.	623D	Opening, in.
No. 626S	$\frac{1}{8}$ and $\frac{1}{4}$	
No. 627	$\frac{1}{8}$ and $\frac{1}{4}$	
No. 629E	$\frac{1}{8}$ and $\frac{1}{4}$	
No. 632	$\frac{1}{8}$ and $\frac{1}{4}$	
No. 632X	$\frac{1}{8}$ and $\frac{1}{4}$	

ENGINEERS' WRENCHES

No.	21	Opening, in.
No. 23	$\frac{1}{8}$ and $\frac{1}{4}$	
No. 725	$\frac{1}{8}$ and $\frac{1}{4}$	
No. 727	$\frac{1}{8}$ and $\frac{1}{4}$	
No. 731A	$\frac{1}{8}$ and $\frac{1}{4}$	
No. 32	$\frac{1}{8}$ and $\frac{1}{4}$	
No. 33C	$\frac{1}{8}$ and $\frac{1}{4}$	
No. 1D	Assortment on a 15x24 in. board, w't per ass't 41 lbs., per assortment	\$39.50

ONE ASSORTMENT IN A BOX

CAR WRENCHES



UNFINISHED, 22 1/2 degree angle, milled for U. S. standard nuts.

Nos.	367	373
Size bolts, in.	$\frac{1}{8}$ and $\frac{1}{4}$	$\frac{1}{8}$ and $\frac{1}{4}$
Openings, in.	$\frac{1}{8}$ and $\frac{1}{4}$	$\frac{1}{8}$ and $\frac{1}{4}$
Length, in.	12	20
W't per doz., lbs.	18	42
Per dozen	\$7.60	14.90
Nos.	376	383
Size bolts, in.	$\frac{1}{8}$ and $\frac{1}{4}$	$\frac{1}{8}$ and $\frac{1}{4}$
Openings, in.	$\frac{1}{8}$ and $\frac{1}{4}$	$\frac{1}{8}$ and $\frac{1}{4}$
Length, in.	21	24
W't per doz., lbs.	48	77
Per dozen	\$18.50	30.80

LOOSE

ALLIGATOR PATTERN



5½ in., cast steel, open handle, polished jaws, for ½ to 1 in. pipe and ¾ to 1 in. round iron.

No. 1 **QV**—Case hardened, w't per doz. 3½ lbs. per dozen \$2.50

ONE DOZEN IN A BOX



Drop forged steel, polished raised jaws, open handle.

Nos.	12	13
Length, in.	5½	7
For pipe, in.	½ to 1	¾ to 1
For round iron, in.	¾ to 1	1 to 1½
W't doz., lbs.	4½	9½
Per dozen	\$4.00	7.20

NO. 12, ONE DOZEN; NO. 13, HALF DOZEN IN A BOX

TWIN ALLIGATOR PATTERN



No. 130 **QV**—10 in., drop forged steel, polished raised jaws, for pipe ½ to 1 in., for round iron ¾ to 1 in., w't per doz. 15 lbs.

per dozen \$12.00

HALF DOZEN IN A BOX

RONSON



No. 204—6 in., drop forged nickel plated, carefully tempered, consists of 4 open end slotted wrenches fastened together with bolt and wing nut, wrenches fit U. S. Standard nuts on bolts from ½ to ¾ in. diameter, also has ¾ in. square opening in head of ½ in. wrench, w't per doz. 6 lbs. per dozen \$14.00

ONE IN A BOX; ONE DOZEN IN A CARTON

WRENCHES

QV UNIVERSAL GRIP

Drop forged, nicely finished, guaranteed first class.

No. 850 **QV**—8½ in., polished raised surfaces, grips from ½ to 1 in. diameters, dies for re-threading ½, ¾ and 1 in. bolts, w't per doz., 11½ lbs. \$8.00

HALF DOZEN IN A PACKAGE

ALWAYS READY



Drop forged steel, chased body, polished raised jaws.

Nos.	101	102
Length, in.	5	7
For nuts, in.	½ to ¾	¾ to 1
W't doz., lbs.	6	12½
Per dozen	\$6.40	8.40

HALF DOZEN IN A BOX

BOLT



No. 23 **QV**—6 in., black, solid, cast steel of superior quality, oil tempered, re-threads, bolts 5-16, ¾ and 1 in., for round iron ¾ to 1 in., w't per doz. 3½ lbs. per dozen \$6.00

ONE DOZEN IN A BOX

ELGIN



Jaw.



The upper part of wrench is adjustable and is held open by a spring. It can be closed by the thumb nut until both jaws meet, giving the tool a wide range of work. The extra jaws are very easily adjusted and they renew the wrench indefinitely.

No. 202—7 in., for ½ to 1 in. pipe and ¾ to 1 in. round iron, wrought steel, hardened jaws, nickel plated and polished, w't per doz. 7½ lbs., per dozen \$24.00

Extra Toothed Jaws 6.00
ONE DOZEN IN A BOX

ORUSO WRENCH SETS



These are strong serviceable wrenches at a very attractive price.

No. 125—Consists of five standard double end white nickel finish wrenches, made from heavy

stamped steel case, hardened steel case hardened, sizes range ¾ to 1 and 1½ and 1¾, 2 and 2½, 3 and 3½, 4 and 4½, w't per set 1½ lbs., per set \$0.25

ONE SET IN A BOX

BIT BRACE SOCKET WRENCHES

Made of malleable, hardened steel to give the greatest strength. Nicely finished, japanned body, polished head and shank. Each size is accurately drifted to United States standard nut size. A shoulder prevents the nut working far up into the wrench and the open shank prevents clogging with dirt, also enabling the user to handle dirt, also enabling use of wrench in places where brace would not go.



Square opening for U. S. standard nuts, cap screws and set screws.

Nos.	152	153	154	155
Openings, in.	¾	1	1½	2
Bolt size	¾	1	1½	2
Cap screw	¾	1	1½	2
Set screw	¾	1	1½	2
W't per doz., lbs.	1½	1½	2½	2½
Per dozen	\$4.20	4.80	5.40	6.00

Nos.	156	157	158	159
Openings, in.	2½	3	3½	4
Bolt size	2½	3	3½	4
Cap screw	2½	3	3½	4
Set screw	2½	3	3½	4
W't per doz., lbs.	3½	4½	5½	6½
Per dozen	\$7.20	8.40	9.00	9.60



Hexagon openings for U. S. standard nuts and cap screws.

Nos.	167	168	169
Openings, in.	¾	1	1½
Bolt size	¾	1	1½
Cap screws	¾	1	1½
W't per doz., lbs.	1½	2	2½
Per dozen	\$4.80	5.40	6.00
Nos.	170	172	173
Openings, in.	2½	3	3½
Bolt size	2½	3	3½
Cap screw	2½	3	3½
W't per doz., lbs.	2½	3½	4½
Per dozen	\$7.20	8.40	9.00

ONE DOZEN IN A BOX

GENUINE STILLSON PIPE WRENCHES



Drop forged tool steel, hardened jaws and frame, polished shank and frame. Movable steel pin holds frame in handle.

Double Spring, Hardwood Handle.

Nos.	206	208	2010	2014
Inches	6	8	10	14
For pipe, in.	$\frac{1}{2}$ to $\frac{3}{4}$	$\frac{3}{4}$ to $1\frac{1}{2}$	$1\frac{1}{2}$ to $2\frac{1}{2}$	$2\frac{1}{2}$ to 4
W't, doz., lbs.	6	9	19	38
Per dozen	\$24.00	27.00	30.00	42.00



Double Spring, Solid Steel Handle.

Nos.	2018	2024	2036	2048
Inches	18	24	36	48
For pipe, in.	$\frac{1}{2}$ to $2\frac{1}{2}$	$\frac{1}{2}$ to $2\frac{1}{2}$	$\frac{1}{2}$ to $3\frac{1}{2}$	1 to 5
W't, doz., lbs.	54	96	180	300
Per doz.	\$82.00	87.00	162.00	240.00

TO A HALF DOZEN; 36 IN., SIXTH DOZEN IN A BOX; 48 IN., LOOSE

EXTRA PARTS FOR STILLSON WRENCHES

Inches	6	8	10	14
Jaws	\$9.00	9.60	10.20	13.80
Nuts	1.44	1.80	2.40	3.60
Frames	4.56	5.04	6.00	7.20
Frame Pins	.36	.36	.48	.48
Inches	18	24	36	48
Jaws	\$21.00	27.00	52.20	90.00
Nuts	4.20	6.60	13.20	18.00
Frames	9.00	11.40	20.40	26.40
Frame Pins	.48	.48	.60	.60

VULCAN PIPE WRENCHES



Drop forged steel, saw tempered jaw, flat link chain.

Nos.	031	032	033
For pipe, in.	$\frac{1}{2}$ to $1\frac{1}{2}$	$\frac{1}{2}$ to $2\frac{1}{2}$	$\frac{1}{2}$ to 4
Length, in.	20	27	37
W't, doz., lbs.	60	120	192
Per dozen	\$42.00	60.00	84.00
Nos.	033 $\frac{1}{2}$	034	035
For pipe, in.	1 to 6	$1\frac{1}{2}$ to 8	2 to 12
Length, in.	44 $\frac{1}{2}$	50 $\frac{1}{2}$	64 $\frac{1}{2}$
W't, doz., lbs.	252	348	588
Per dozen	\$108.00	132.00	216.00

GENUINE TRIMO PIPE WRENCHES

Drop forged bar steel hardened jaws and frame, insert jaw and frame fastened to handle with movable pin, with nut guard to hold in place, japanned handle, polished head and jaws.



Hardwood Handle.

Nos.	226	228	2210	2214
Inches	6	8	10	14
For pipe, in.	$\frac{1}{2}$ to $\frac{1}{2}$	$\frac{1}{2}$ to $\frac{1}{2}$	$\frac{1}{2}$ to $1\frac{1}{2}$	$\frac{1}{2}$ to $1\frac{1}{2}$
W't, doz., lbs.	6	9	19	40
Per dozen	\$24.00	27.00	30.00	42.00



Solid Steel Handle.

Nos.	256	258	2510	2514
Inches	6	8	10	14
For pipe, in.	$\frac{1}{2}$ to $\frac{1}{2}$	$\frac{1}{2}$ to $\frac{1}{2}$	$\frac{1}{2}$ to $1\frac{1}{2}$	$\frac{1}{2}$ to $1\frac{1}{2}$
W't, doz., lbs.	6	9	19	40
Per dozen	\$24.00	27.00	30.00	42.00
Nos.	2518	2524	2536	2548
In.	18	24	36	48
For pipe, in.	$\frac{1}{2}$ to $2\frac{1}{2}$	$\frac{1}{2}$ to $2\frac{1}{2}$	$\frac{1}{2}$ to $3\frac{1}{2}$	1 to 5
W't, doz., lbs.	60	96	192	300
Per doz.	\$60.00	87.00	162.00	240.00

EXTRA PARTS FOR TRIMO WRENCHES.

Inches	6	8	10	14
Movable Jaw	\$9.00	9.60	10.20	13.80
Nuts	1.44	1.80	2.40	3.60
Insert Jaws	4.20	4.80	6.00	7.20
Frames	4.56	5.04	6.00	7.20
Springs	.36	.36	.36	.36
Frame Pins	.36	.36	.48	.48
Jaw Pins	.36	.36	.48	.48
Nut Guards	1.80	1.80	2.40	3.60

Inches	18	24	36	48
Mov. Jaw	\$21.00	27.00	52.20	90.00
Nuts	4.20	6.60	13.20	18.00
Insert Jaws	8.40	9.60	13.20	24.00
Frames	9.00	11.40	20.40	26.40
Springs	.48	.48	.48	.48
Frame Pins	.48	.48	.60	.60
Jaw Pins	.48	.48	.60	.60
Nut Guards	4.20	5.40	6.60	7.80

TRIMO AUTO PIPE WRENCHES



Narrow jaw, drop forged bar, steel hardened jaws, and frame. Frame fastened to handle with movable pin and fitted with nut guards to hold jaw in place. Japanned handle, polished head and jaws.

Jaws are narrower than in regular wrench and teeth are milled finer.

Nos.	266	268	2610
Inches	6	8	10
For pipe, in.	$\frac{1}{2}$ to $\frac{1}{2}$	$\frac{1}{2}$ to $\frac{1}{2}$	$\frac{1}{2}$ to $1\frac{1}{2}$
W't, doz., lbs.	5	8	15
Per dozen	\$24.00	27.00	30.00

HALF DOZEN IN A BOX

COMBINATION WRENCHES

BEMIS & CALLS



Tool steel, hardened jaws, polished hardwood handle. Bright with long nut.

Nos.	4510	4512	4515
Inches	10	12	15
Opening, in.	2 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$
For pipe, in.	$\frac{1}{2}$ to $1\frac{1}{2}$	$\frac{1}{2}$ to $1\frac{1}{2}$	$\frac{1}{2}$ to $2\frac{1}{2}$
W't per doz., lbs.	29	43	58
Per dozen	\$30.00	36.00	48.00

HALF DOZEN IN A BOX

TRIMO PIPE CUTTERS



Drop forged, cast steel handle with iron grip, case hardened, rolls on pins, with cutter and two rollers.

Nos.	551	552	553
Sizes	1	2	3
Length, in.	15	18	19
For pipe, in.	$\frac{1}{2}$ to $1\frac{1}{2}$	$\frac{1}{2}$ to $2\frac{1}{2}$	$1\frac{1}{2}$ to 3
W't, doz., lbs.	60	66	84
Per dozen	\$54.00	72.00	120.00
Extra cutters	\$4.80	4.80	6.00

LOOSE

BARNES' PIPE CUTTERS



Three wheel, malleable frame, crucible steel cutters and pins.

Nos.	1	2	3	4
For pipe, in.	$\frac{1}{2}$ to 1	$\frac{1}{2}$ to 2	$1\frac{1}{2}$ to 3	$2\frac{1}{2}$ to 4
W't, doz., lbs.	36	51	96	150
Per doz.	\$54.00	72.00	120.00	240.00
Extra cutters, per doz.	\$3.00	3.60	4.80	6.00

LOOSE

PICK-UP TONGS



No. 201—22 in., drop forged steel, oil finished, for picking up hot iron, w't 34 lbs. per dozen \$19.50
LOOSE

GAD TONGS



No. 202—20 in., drop forged steel, oil finish, w't per doz. 27 lbs., per dozen\$16.60
LOOSE

BOLT TONGS



Drop Forged Steel, Oil Finished.

For holding bolts and round iron. When ordering, give size of iron instead of length.

Nos.	2033	2034
Size of iron, in.	8	1
Length, in.	20	20
W't each, lbs.	24	24
Per dozen	\$16.60	16.60

Nos.	2035	2036	2037
Size of iron, in.	8	1	7
Length, in.	22	22	24
W't each, lbs.	31	31	31
Per dozen	\$19.00	19.00	20.00

LOOSE

STRAIGHT LIP TONGS



Drop Forged Steel, Oil Finished.

Nos.	01	1	2
Length, in.	16	18	20
W't each, lbs.	13	2	24
Per dozen	\$12.80	13.20	14.20

Nos.	3	4
Length, in.	22	24
W't each, lbs.	3	33
Per dozen	\$15.20	17.10

LOOSE

HORSESHOERS' TONGS



Drop Forged Steel, Oil Finished.

Nos.	0	00
Length, in.	12	14
W't doz. lbs.	18	20
Per dozen	\$11.20	11.00

LOOSE

COLD CUTTERS OR CHISELS



Cold Forged Steel, Oil Finished.

Nos.	2269	22610
Size square steel, in.	1 1/2	1 1/2
W't per doz., lbs.	18	24
Per dozen	\$11.40	12.70

Nos.	22611	22612
Size square steel, in.	1 1/2	1 1/2
W't per doz., lbs.	30	36
Per dozen	\$16.30	19.30

LOOSE

HOT CUTTERS OR CHISELS



HOT

Nos.	2279	22710
Size square steel, in.	1 1/2	1 1/2
W't per doz., lbs.	18	24
Per dozen	\$11.40	12.70

Nos.	22711	22712
Size square steel, in.	1 1/2	1 1/2
W't per doz., lbs.	30	36
Per dozen	\$16.30	19.30

LOOSE

FLATTERS



Forged Steel, Oil Finished.

Nos.	2292	2292 1/2	2293
Size square face, in.	2	2 1/2	3
W't doz. lbs.	18	45	63
Length over all, in.	4 1/2	5	5 1/2
Per dozen	\$19.30	25.40	32.00

LOOSE

HARDIES



Forged Steel, Oil Finished.

Nos.	2254	2255	2256
Size of shank, in.	1	1 1/2	2
Cutting edge, in.	1 1/2	1 1/2	1 1/2
W't, doz., lbs.	6	9	12
Per dozen	\$8.00	8.60	9.80

Nos.	2257	2258
Size of shank, in.	1	1
Cutting edge, in.	1 1/2	2
W't per doz., lbs.	18	21
Per dozen	\$11.40	12.70

LOOSE

RALLIS



1-1 1/2 in. jaws, steel screw with handle, w't per doz. 7 lbs.,
per dozen\$27.00
HALF DOZEN IN A BOX

BONNEY PATTER



1-1 1/2 in. jaws, steel screw with wrought iron head, w't per doz.
per dozen\$12.00
LOOSE



Steel screw with wrought iron head.
Width jaw, in. 1 1/2 02
W't, doz., lbs. 21 2
per dozen\$13.50 18.80
LOOSE



Steel screw with wrought iron head,
w't attachment.
Width jaw, in. 03 04
W't, doz., lbs. 21 21
per dozen\$22.50 34.50
LOOSE

VICES



No. 741



No. 761

ALL CLAMP BOTTOM, PLAIN IRON JAWS

Nos.	741	742	743
Width jaw, in.	1 1/2	1 1/2	2
W't, doz., lbs.	36	39	42
Per dozen	\$27.40	32.40	38.00
Nos.	745	746	
Width, jaw, in.	2 1/2	3	
W't, doz., lbs.	60	105	
Per dozen	\$53.80	83.80	

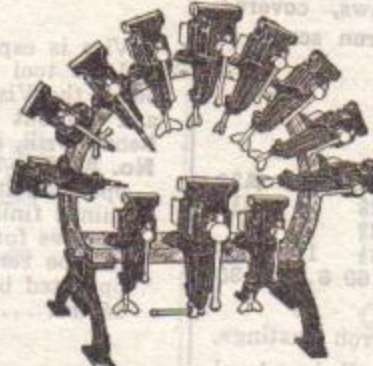
ALL CLAMP BOTTOM, STEEL FACED JAWS

Nos.	761	762	763
Width, jaw, in.	1 1/2	1 1/2	2
W't, doz., lbs.	36	39	42
Per dozen	\$34.80	39.80	46.80
Nos.	765	766	
Width, jaw, in.	2 1/2	3	
W't doz., lbs.	60	105	
Per dozen	\$63.80	93.80	


Swivel base,
steel faced jaw.

Nos.	772	773	775	776
Width, jaw, in. 1 1/2	2	2 1/2	3	
W't, doz., lbs. 36	42	66	114	
Per dozen	\$39.80	48.00	70.30	96.00

LOOSE

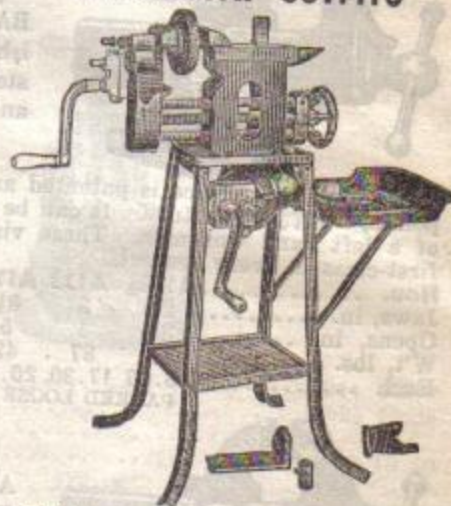


Fitted with loose malleable iron nut and solid steel screw. Face of jaw ground so that the jaws come up square, screw works easy and smooth. Body finished with a brown baked japan, working parts highly polished.

No. A12 Assortment—Consisting of display stand and 12 Victor Vises, w't 65 lbs. ...per assortment \$43.60
Consisting of the following—

2 No. 741	1 No. 744	1 No. 761
2 No. 742	1 No. 745	1 No. 763
2 No. 743	1 No. 746	1 No. 772

CHAMPION IMPROVED COMBINATION BLACKSMITH OUTFITS



Outfit, equipped with Forged, Vise, Anvil, Pipe Vise, Drill Press and Emery Grinder, strictly a high grade combination tool built for service.

Gears are all cut. Forge pan 12x14 inches, large enough to take a plow-share. Pan cut away so that a plow-share can be put into it. The Blower-head attached is a real cut-gear, high speed outfit that runs silent, is speeded high enough to produce a white pressure heat so that welding can be done on any work.

Emery wheel is screwed on stud between vise jaws attached to high speed gear on this gear box, two substantial bearings—one on each side of vise jaws—support this wheel, making it a rigid, practical, durable grinder.

Screw accurately cut and two heavy shafts support vise so that jaws meet perfectly without lost motion.

Pipe vise operates without any change whatever. No parts are removed or lost and this machine takes pipe up to two inches.

Legs are angle steel, well riveted to top plate and tool tray, two steel rods support forge pan.

Height over all40 in.
Height to top of Forge Hearth.26 in.
Width of Vise Jaws4 in.
Extreme opening of Vise Jaws 4 1/2 in.
Capacity of Pipe Vise2 in.
Capacity of Drill Press 1/2 in.
Greatest distance from Spindle to Table11 in.

Spindle bored to take 1/2 in.
Face of Anvil3x5 1/2 in.
Size of Hardie 8 in.
Size of Forge Hearth12x14 in.
Depth of Forge Hearth 2 1/2 in.
Speeds obtained by gearing
.....1 to 1, 1 to 4 and 1 to 14
Size of Emery Wheel6x1 in.
Floor Space19x32 in.
Weight Crated185 lbs.
No. W19—Each\$46.00

VISES

REYNOC MACHINIST



REYNOC SWIVEL BASE, dead black finish, removable polished steel face jaws, milled and fitted.

The swiveling device is patented and is operative at all points, a **REYNOC** feature. It can be converted to the use of a left hand workman. These vises are exceptionally first-class in every respect.

Nos.	A172½	A173	A173½	A174	A174½	A175
Jaws, in.	2½	3	3½	4	4½	5
Opens, in.	3½	4	5	6	6½	7½
W't, lbs.	18	27	42	58	76	104
Each	\$16.00	17.30	20.00	22.60	26.60	40.00

PACKED LOOSE

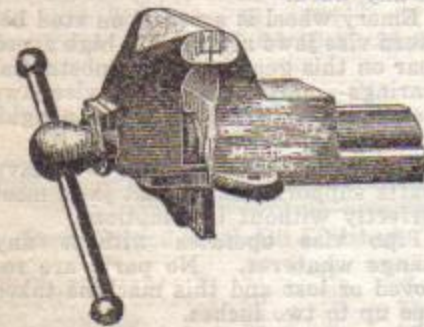


REYNOC STATIONARY BASE, dead black finish, removable polished steel face jaws, milled and fitted.

Nos.	A162½	A163	A163½	A164	A164½	A165
Jaws, in.	2½	3	3½	4	4½	5
Opens, in.	3½	4	5	6	6½	7½
W't, lbs.	15	23	35	43	61	82
Each	\$12.00	13.30	15.00	17.00	20.70	26.60

PACKED LOOSE

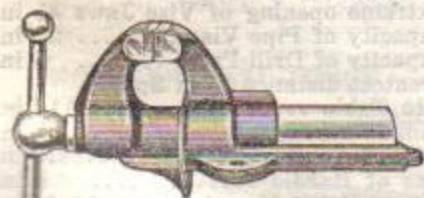
OVAL SLIDE



PARKER'S polished steel jaws, covered wrought iron screw.

Nos.	A30	A31	A32
Jaws, in.	2½	3	3½
Opens, in.	3½	4	4
W't, lbs.	8½	13	20
Each	\$5.60	6.80	8.30

LOOSE



Nos.	A230	A231	A232
Jaws, in.	2½	3	3½
Opens, in.	3½	4	4½
W't, lbs.	8	14	22
Each	\$4.00	5.00	6.00

Grey iron castings, cold rolled steel screw, crucible steel jaws, steel nut, black satin finish, polished face and jaws.

OVAL SLIDE



EMPIRE, solid steel, hardened jaws, nicely finished.

Nos.	A025	A030	A035	A040
Jaws, in.	2½	3	3½	4
Opens, in.	3½	4½	4½	5½
W't, lbs.	8	10	14	20
Each	\$7.50	9.00	12.00	15.00

PACKED LOOSE

YANKEE



All parts are accurately machined. For use on Bench Drills or attached separately to bench.

No. 990—Main body and sliding jaw cast iron, 6x2½x2 in. high, jaws open 3 in., removable case hardened swivel jaw, w't per doz. 48 lbs.each \$4.40

ONE IN A BOX

YANKEE SWIVEL

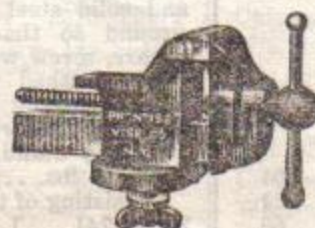


Vise is especially adapted for use in garage and home and for tool makers and machinists. While used on the bench the Vise proper can be quickly detached from base, and without removing work from Vise, can be used on Bench Drill, etc., and returned to base again.

No. A1993—7½ in. long, 5½ in. high, 2½ in. wide, 1½ in. deep, opens 3½ in., steel face jaws and screw, main body machined finish, japanned base, steel block with V shaped grooves for holding round or irregular work, main body can be removed for use on drill press, swivel base is operated by small lever, size boxed 9x5x6 in., w't each 15 lbs.each \$12.50

ONE IN A BOX

GARAGE VISES

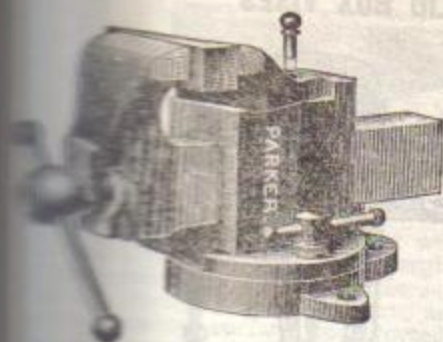


Stationary Base with central Bolt, Nut and Washer for fastening to bench, also provided with bolt holes for permanently securing to bench. 3 in. steel jaws, opens 3½ in. Can be used as either Stationary or Swivel Bottom Vise.

No. A161½—W't each 12 lbs.each \$7.20

LOOSE

VICES

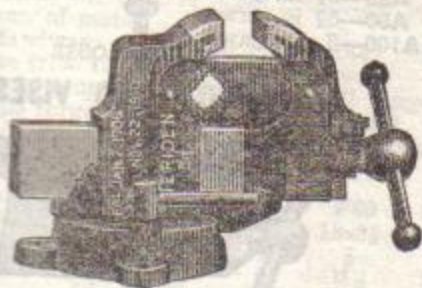


Swivel base,
self - adjusting
back jaw, polish-
ed steel faces,
milled and fitted.

	A270	A271	A272	A273	A275
.....	31	32	41	5	61
.....	31	5	6	7	92
.....	28	51	60	80	176
.....	\$23.30	26.60	37.30	46.60	80.00

LOOSE

PARKER'S COMBINATION



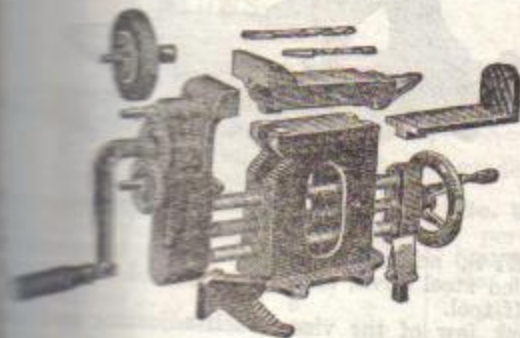
Swivel base,
polished steel
faces, milled and
fitted.

	A87	A88
.....	32	41
.....	2	3
.....	41	61
.....	48	71

\$24.00 30.00

PACKED LOOSE

COMBINATION



Stewart Handy Worker, consists of a com-
bination drill, vise, pipe vise, emery wheel and drill, 4 in.
pipe vise takes pipe up to 1 1/2 in., drill
may be operated at two speeds, 5 in. carborundum
may be operated at three speeds. main body made
entire tool and attachments are first
material finished in green enamel, w't each
.....each \$40.50

ONE SET IN A BOX

PIPE

Malleable iron frame, polished solid tool steel milled
jaws, oil hardened, self locking, all parts interchangeable.



Nos.	A211	A212
For pipe, in.	2 to 2 1/2	2 to 3 1/2
W't each, lbs.	8	14
Each	\$6.30	10.30

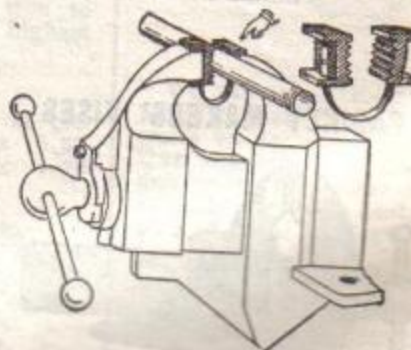
LOOSE



No. A25—Malleable iron, steel jaws, hinged frame with
hook lock, for pipe 1/2 to 2 in., w't 6 lbs.....each \$4.80

LOOSE

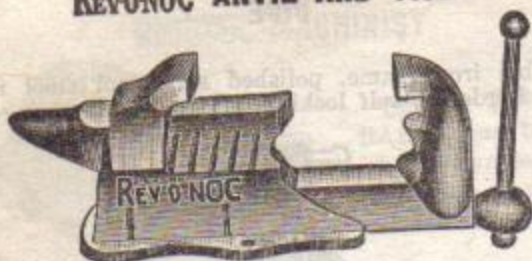
ELGIN PIPE VISE JAWS



No. 15—Two pieces of toothed steel 1 1/2 x 1 1/2 in., riveted
together with a steel spring, for use with any vise, w't
per doz. 18 lbs.per dozen \$5.00

PACKED ONE DOZEN IN A BOX

REYNOC ANVIL AND VISE



No. A24 REYNOC—4 in. steel faced milled jaws, opens 12 in., back jaw adjustable to any desired position, securely held in position by corrugations on either side, pipe holding device holds from 1/4 to 2 in. pipe, 3/4 in. solid steel screw, face of anvil chilled and polished, size not including horn 8x3 in., painted green, w't each 51 lbs., each\$8.00

ONE IN A BOX



REYNOC DRILL ATTACHMENTS

No. A124 REYNOC—For use with No. A24 REYNOC Anvil and Vise, w't 15 lbs.each \$4.80

ONE IN A CARTON

WOODWORKERS' VISES



SHELDON'S rapid acting, rigid jaws, forged steel rack, accurately milled, 3/16 to 5/16 in. thrust.

No. A224—3x7 in. jaws, opens 9 in., w't 24 lbs., each\$12.80

No. A123—3x7 in. jaws, opens 8 1/2 in., with steel dog for holding wide material, w't 27 lbs., each\$15.00

PACKED LOOSE

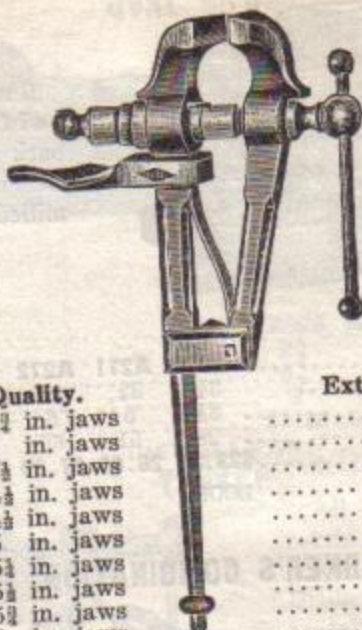
CABINET MAKERS' VISES



No. A43—Parker's 4 1/2 in. jaws, opens 9 1/2 in., 3/4 in. screw, w't 27 lbs.each \$23.30

PACKED LOOSE

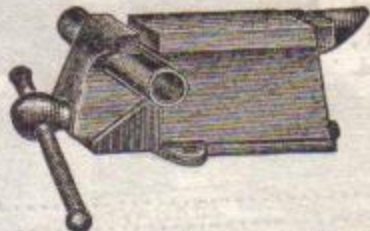
SOLID BOX VISES



Extra Quality.		Extra Finish.	
No. A35	3 1/2 in. jaws	.....each	\$ 8.80
No. A40	4 in. jaws	.....each	9.30
No. A45	4 1/2 in. jaws	.....each	9.70
No. A50	4 3/4 in. jaws	.....each	10.00
No. A55	4 3/4 in. jaws	.....each	10.60
No. A60	5 in. jaws	.....each	11.40
No. A70	5 1/2 in. jaws	.....each	13.20
No. A80	5 1/2 in. jaws	.....each	15.40
No. A90	5 3/4 in. jaws	.....each	17.60
No. A100	6 in. jaws	.....each	19.40

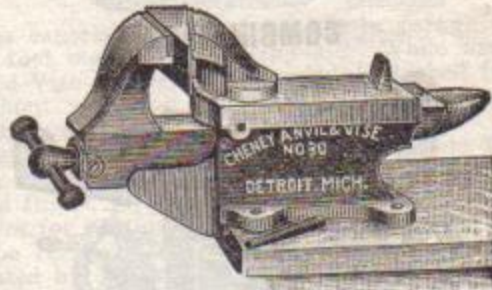
PACKED LOOSE

ANVILS AND VISES



AUSTIN'S hardened face and jaws.
No. A13—3 in. jaws, 4 in. opening, piper's jaws, 7 1/2 x 3 in. anvil face, w't 22 lbs.each \$3.60

PACKED LOOSE



CHENEY'S, self-adjusting back jaw, tempered steel face, chilled steel anvil, smooth face, solid steel hardy or cutting-off tool.

The back jaw of the vise is self-adjusting and in use conforms by automatic action to any angle and makes firm any objects held, whether it be straight, beveled or wedge shape.

Nos.	A120	A130	A140
Face, in.	6 1/2 x 3	8 x 3 1/2	8 1/2 x 3 1/2
Jaws, in.	3 1/2	3 1/2	4 1/2
Opens, in.	4	5	6
W't, lbs.—less crate	26	35	51
Each	\$16.40	18.70	23.00

ONE IN A CRATE

REYNOLDS ANVILS



Made from American ingot or wrought iron, welded at the waist, thus making a solid forging to which is welded a high grade crucible cast steel face—the best obtainable—which in turn is ground, tempered and polished, forming a perfect working surface, body coated with pure asphaltum paint. The wrought iron being fibrous is very tough, and will withstand more hard usage than any other metal used in the manufacture of anvils, while nothing but the very best grade of tool steel will form a working surface that is satisfactory to the smith desiring a high grade article.

Fully Warranted.

REYNOLDS anvils have a greater surface area for their weight than any other on the market, owing to the correct distribution of the metal. For illustration: a REYNOLDS anvil 14 inch by 14 inch surface weighs 100 pounds, and frequently less; in order to obtain this same surface in an anvil of other makes, the user is often compelled to buy 150 pounds or more of metal.

Width of base is always equal to height, so they will not break loose from fastenings by side blows.

The long horn is round throughout its full length, a perfect ring can be forged and welded at any point.

The long tail admits of bending small perfect U shapes, and leaves a large surface for welding.

Nos.	F50	F60	F70	F80	F90
Dimen. of face, in.	11½×3½	12×3½	12½×3½	13×3½	13½×3½
Size hardie hole, in.	2	2	2	2	2
Size pritchel hole, in.	1	1	1	1	1
W't about, lbs.	50	60	70	80	90
Per pound	\$0.35★	.30★	.30★	.30★	.30★

Nos.	F100	F120	F150	F200
Dimen. of face, in.	14×3½	15×3½	15½×4	17½×4½
Size hardie hole, in.	1	1	1	1½
Size pritchel hole, in.	¾	¾	¾	1
W't about, lbs.	100	120	150	200
Per pound	\$0.30★	.30★	.30★	.30★

VULCAN ANVILS



Cast Iron Body with Welded Steel Face.

The face is welded to the body by a patent process, then accurately ground and tempered. The horn is covered with and at its extremity is made entirely of steel. The face and horn are warranted to be thoroughly welded to the body and not to separate.

Nos.	F00	F0	F1	F2
Dimen. of face, in.	1½×4½	2½×5½	2½×5½	2½×6
Size of hardie hole, in.	1	1	1	1
Size of pritchel hole, in.	1	1	1	1
W't about, lbs.	5	10	15	20
Per pound	\$0.80★	.55★	.45★	.40★

Nos.	F3	F4	F5	F6
Dimen. of face, in.	2½×7½	3×7½	3×8½	3½×10½
Size of hardie hole, in.	1	1	1	1
Size of pritchel hole, in.	1	1	1	1
W't about, lbs.	30	40	50	60
Per pound	\$0.30★	.25★	.25★	.20★

Nos.	F7	A8	A9	A10
Dimen. of face, in.	3½×11	3½×11½	3½×12	3½×12½
Size of hardie hole, in.	1	1	1	1
Size of pritchel hole, in.	¾	¾	¾	¾
W't about, lbs.	70	80	90	100
Per pound	\$0.20★	.20	.20	.20

Nos.	A12	A15
Dimen. of face, in.	3½×12½	4×14½
Size of hardie hole, in.	1	1
Size of pritchel hole, in.	¾	¾
W't about, lbs.	120	150
Per pound	\$0.20	.20

HAND OR MOULDERS' BELLOWS



Fancy grained wood boards, galvanized sheet steel funnel, select tan leather, with studded black reinforcing border.

Size	7	8	9
Length, in.	14½	15½	17½
W't, lbs.	12	13½	14½
Per dozen	\$22.00	25.00	28.20
Size	10	12	14
Length, in.	18	21½	24
W't, lbs.	19	33	33
Per dozen	31.30	40.80	40.80

LUMP BORAX

No. 1—Lump, 100 lb. bags or less, per pound	\$0.25
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WELDING COMPOUND



Cherry heat welding compound, welds iron to iron, steel to steel, and malleable iron to steel and is the highest grade of welding flux.

No. W00—In 100 lb. boxes, per box	\$21.50
No. 0—In 25 lb. boxes	5.50
No. 1—In 5 lb. boxes	1.20

CLEMAX, especially adapted for tires, axles and general job work, recommended for iron and all grades of steel, including tool steel.

No. W01—In 100 lb. boxes, per box	\$19.50
No. 02—In 25 lb. boxes	5.00
No. 2—In 5 lb. boxes	1.10



We guarantee "E-Z" Welding Compound to make stronger and smoother welds on any grade of steel or iron than any other. It does not boil up and waste like other compounds do. It welds at a lower heat, prevents slipping of parts and leaves no scale.

No. W100—In 100 lb. boxes, per box	\$19.50
No. 25—In 25 lb. boxes, per box	\$5.00
No. W5—In 5 lb. boxes, per box	\$1.10

WE DO NOT BREAK BOXES

★ Items Marked Thus ★ Are Shipped From Factory Only.

WE DO NOT BREAK BOXES

CHAMPION BLACKSMITH'S GOODS

HAND BLOWERS



No. W400—Best tool steel and phosphor bronze working parts, highest grade tool steel adjustable ball bearings throughout, lathe turned cups and cones hardened and ground to highest possible finish, 12 in. fan, full width fan wing insuring large volume of air and high pressure with easy turning. Each revolution of crank produces 46 full revolutions of fan wing with "whirlwind" blast anti-clinker heavy nest tuyere iron and piping, w't 160 lbs., each\$61.40

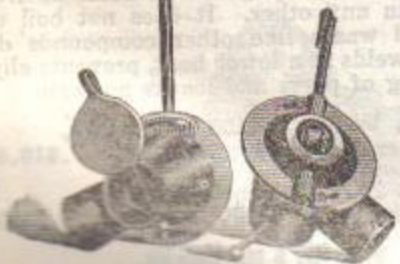
A well built, helical cut gear blower, smooth running, crank turns either way to make the blast.



No. W40—Lancaster, cut geared, crank motion, 12 in. fan, adjustable nozzle tuyere iron and piping, w't 125 lbs., each ...\$38.00

CHAMPION TUYERE

PATENT IRON



No. F18—adjustable w't 10 lbs., each\$.....
ALL ABOVE ONE IN A CRATE

HAND BLOWERS



Meets the demand for strong, dependable direct driven blower no so expensive as the No. 400 or "Midway."
No. W40L—Champion Lancaster, cut geared blacksmith's, adjustable nozzle, tuyere iron and piping complete, smooth running, crank turns either way to make blast, 12 in. fan, w't 110 lbs., each\$38.00

CHAMPION WHIRLWIND TUYERE IRONS



No. F5—depth 5 in., width 8 3/4 in., length over all 12 1/2 x 14 1/2 in., w't 12 lbs.,each \$.....

NEW CHAMPION DISC WHEEL



Strictly first class in all parts. Blades are made of special rolled steel and mechanically fit into a grooved hub where they are securely fastened.

Nos.	F18	F20	F30
Diam. pulley in.	4	4	6
Face pulley, in.	2	2	2
Diam. wheel, in.	18	24	30
Wt, lbs.	90	105	135
Each	\$.....*	\$.....*	\$.....*
Nos.	F36	F42	F48
Diam. pulley, in.	6	8	9
Face pulley, in.	2	3½	4
Diam. wheel, in.	36	42	48
Wt, lbs.	150	295	350
Each	\$.....*	\$.....*	\$.....*
Nos.	F54	F60	
Diam. of pulley, in.	4	5	
Face of pulley, in.	4	5	
Diam. of wheel, in.	54	60	
Wt, lbs.	450	540	
Each	\$.....*	\$.....*	
Nos.	F72	F84	
Diam. of pulley, in.	12	14	
Face of pulley, in.	5½	6	
Diam. of wheel, in.	72	84	
Wt, lbs.	625	800	
Each	\$.....*	\$.....*	

ALL ABOVE ONE IN A CRATE

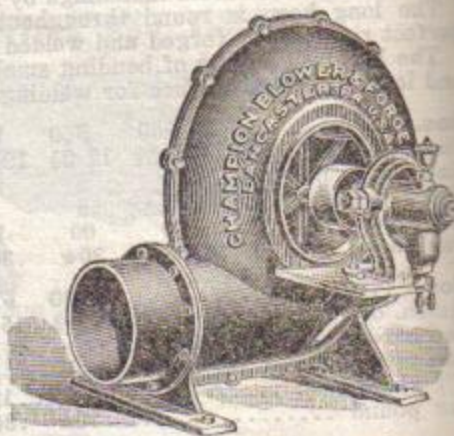
ALL ABOVE ONE IN A CRATE

POWER BLOWERS



CHAMPION, one-fire variable speed blower with Universal motor for electric steel pressure blacksmith both direct and alternating currents, either 110 or 220 volts, with detached rheostat for six speeds, with attachment cord and plug to fit any light socket, 14 in. steel pressure fan case, 9 in. fan wing.

No. F50—1-12 H. P. Motor, w't complete 55 lbs.*each \$80.00
ONE IN A CRATE



Built especially for use where a large volume of blast is required. Adapted for steam boilers, puddling and heating furnaces, dry rooms, refrigerators, forge fires, etc., also ventilation.

Nos.	F$\frac{1}{2}$	F1	F2
Height, in. ...	12	15	18
Diam. inlet, in.	4 $\frac{1}{2}$	5	5 $\frac{3}{4}$
Diam. outlet, in.	3 $\frac{3}{4}$	4 $\frac{1}{2}$	5
Each	\$.....*	\$.....*	\$.....*
Nos.	F3	F4	F5
Height, in. ...	21 $\frac{1}{2}$	25 $\frac{1}{2}$	28 $\frac{1}{2}$
Diam. inlet, in.	6 $\frac{1}{2}$	7 $\frac{1}{2}$	9
Diam. outlet, in.	6	7 $\frac{1}{2}$	9
Each	\$.....*	\$.....*	\$.....*
Nos.	F6	F7	F8
Height, in. ...	34	40	45
Diam. inlet, in.	7 $\frac{1}{2}$	9	10 $\frac{1}{2}$
Diam. outlet, in.	10 $\frac{1}{2}$	12	14
Each	\$.....*	\$.....*	\$.....*
Nos.	F9	F10	
Height, in.	50	57	
Diam. inlet, in.	16	18	
Diam. outlet, in.	16 $\frac{3}{4}$	18 $\frac{1}{2}$	
Each	\$.....*	\$.....*	

PORTABLE FORGES

CHAMPION, steel horseshoers', with half hood, heavy structural steel, working parts of highest grade tool steel, 12 in fan, adjustable ball bearings, with "Whirlwind" blast anti-sinker heavy nest tuyere iron.



No. 408.

This is virtually the No. 400 Blower mounted into a forge. It will make a white heat blast equal to the best power blower blast. Crank turns in either direction, it runs noiseless smooth, easy and pleasant to the hand. It is adapted for carriage and heavy wagon work, railroad shops as well as general blacksmithing.

WITHOUT WATER TANK

No. F408—Size of hearth 30x36x6 in., w't each 295 lbs.*each \$95.40

WITH WATER TANK

No. F409—Size of hearth 30x36x6 in., w't each 325 lbs.*each \$103.40
ONE IN A CRATE



The gearing used for producing the blast is simple in construction and without small gears or pinions. The crank turns either direction to make blast. Especially designed for blacksmithing, with half hood, helical cut gearing in dustproof casing. Heavy nest tuyere iron, 12 in. fan.

WITHOUT WATER TANK

No. W408—Size of hearth 32x45 in., w't each 300 lbs.each \$73.40

WITH WATER TANK

No. W409—Size of hearth 32x45 in., w't each 330 lbs.each \$.....



AGRICULTURAL

No. 415

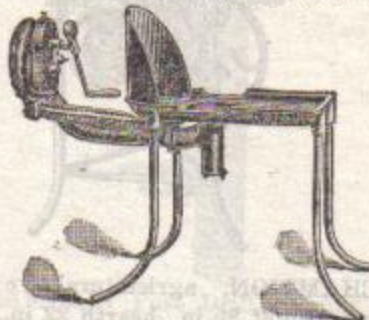
These Improved Agricultural Forges are equipped with a cut-gear crank-driven blower, helical gearing being used to give smooth running and noiseless operation. The gear ratio gives 48 revolutions of the blast wheel to one turn of the crank, making a strong, steady, high pressure blast with smooth easy turning—crank turning either direction. The gear case is oil-tight and dust-proof.

WITH SHIELD

Nos.	F145	F147	F142
Hearth, in. ...	18	22	23x30
Height, in. ...	30	30	30
Diam. of fan, in.	8	8	10
W't, lbs.	85	105	135
Each	\$.....*	\$.....*	\$.....*

WITH HALF HOOD

Nos.	F146	F148	F143
Hearth, in. ...	18	22	23x30
Height, in. ...	30	30	30
Diam. of fan, in.	8	8	10
W't, lbs.	90	110	140
Each	\$.....*	\$.....*	\$.....*



No. 42

CHAMPION LANCASTER CUT, geared direct drive, agricultural forge, 23x35 in., cast iron hearth, height 30 in., 12 in. fan.

A well built, low priced, direct drive forge, a good blast producer and one recommended for farmers' use. It is well finished in every respect, with a large size hearth and fan.

No. W43—With half hood, w't each 170 lbs.each \$48.00

No. W42—With shield, w't each 165 lbs.each \$45.60



No. 401

CHAMPION, structural steel, rivet, adjustable ball bearings throughout. Patented high speed spiral cut bronze and steel gearing, 18 in. hearth, height 30 in., 9 in. fans.

Used by railroads, bridge builders, boiler and structural iron workers.

Will produce blast to weld 3 1/2 to 4 in. iron in 10 minutes. The crank turns either way to produce blast.

Can be taken apart for transportation and set up in a few minutes.

No. W401—With Shield, w't 115 lbs., each\$51.40



CHAMPION GEARED RIVET FORGE

For farmers use. All gears are supplied with bushed journal bearings and run in dust-proof cases. Crank turns in either direction.

No. F48—Size of hearth 18 in., height 30 in., diam. of fan 10 in., w't 125 lbs.*each \$.....

* Items Marked Thus * Are Shipped From Factory Only.

PORTABLE FORGES



These forges are built strong and powerful. All gears are substantially supplied with bushed journal bearings on both sides of the gears. All gears in the Midway cross spiral gearing are made from guaranteed durable metals, machined and constructed so perfectly that the Midway Forges are sold guaranteed to run smooth and noiseless. This line will give satisfaction to those who are not looking for that high class machinery which can only be furnished by the famous 400 Blower. The Midway has no small gears or pinions. Gears run in a dustproof casing. Crank turns in either direction.

WITHOUT WATER TANK

Nos.	F073	F072
Size of hearth, in.	23x35	23x35
Height, in.	30	30
Diameter of fan, in.	10	10
W't, lbs.	185	190
Each	\$58.70★	\$52.80★

WITH WATER TANK

Nos.	F72	F73
Size of hearth, in.	23x35	23x35
Height, in.	30	30
Diameter of fan, in.	10	10
W't, lbs.	195	200
Each	\$8.00★	\$8.00★



CHAMPION LANCASTER CUT, geared agricultural forge, height 30 in., hearth 22 in., fan 10 in.

These are suitable direct drive cut gear forges for use where a well built, low priced, good blast producer is desired. They are strong, light forges for all kinds of portable work and are similar in construction to the No. 40 Lancaster blower line. Can be easily carried about and make the best low priced rivet forges ever manufactured.

No. W45—With shield, w't each 185 lbs.each \$32.40



CHAMPION IMPERIAL, self-acting ratchet levers, hardened tool steel ratchet dogs, height 30 in., hearth 23x35 in., fan 12 1/2 in.

The Imperial Lever Motion is a very simple device. Will stand years of hard work.

For machinests, plumbers, millers, locksmiths, planters, and in railroad repair shops.

No. W83—with half hood, w't each 170 lbs.each \$53.40



CHAMPION, agricultural lever forge, height 30 in., hearth 22 in., fan 9 in.

These forges are larger in both hearth and fan than the usual agricultural or farmer's forge. The hearth is deeper and heavier. The bearings are taper turned and long. The lever is of the ratchet motion type, simple and durable.

No. W100—With shield, w't each 90 lbs.each \$19.20



CHAMPION, agricultural, lever forge, height 30 in., hearth 18 in., fan 8 in.

No. W150—With shield, w't each 75 lbs.each \$16.90

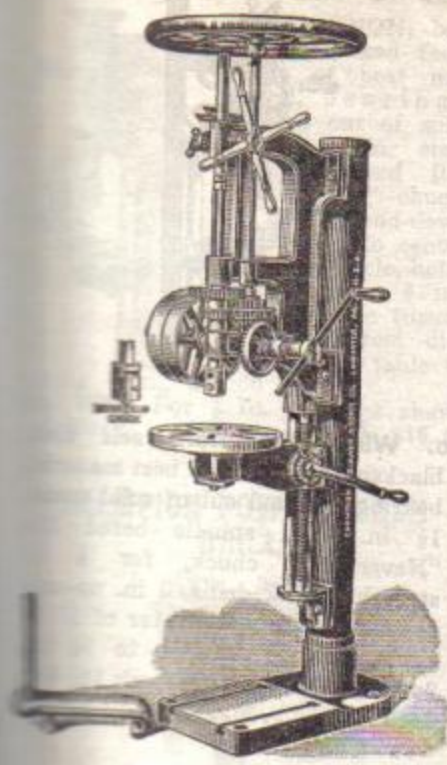


CHAMPION, agricultural crank forge, height 30 in., depth 4 in., hearth 18 in., fan 8 in.

Especially adapted for farmers or where light jobs are to be done.

No. W152—With shield, w't each 70 lbs.each \$16.90

UPRIGHT DRILLS

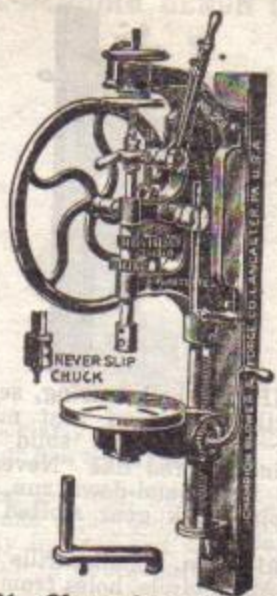


No. F397

CHAMPION, Self-Feed and Propeller Wheel, and Quick Return Drill has double back cut gears with two speeds, and to change from fast to slow is accomplished by sliding the cut gears. The table is raised and lowered by a rack which is quick in action. Spindle has up-and-down run of 9 inches. Drills holes up to 1 1/2 inches. Spindle bored like Champion "Patented" Never-Slip Chuck to take 1 1/4-inch straight shank bits. If specially ordered will be bored for 1/2-inch straight shank bits. Drills to center of a 21-inch circle.

No. F397—Champion, self-feed and propeller hand-feed upright drill, with cone pulley and counter shaft, complete for hand and power combination, w't 625 lbs.★each \$.....

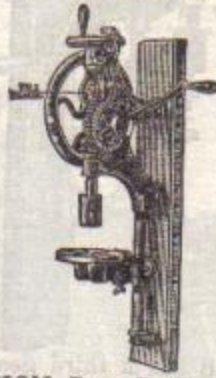
No. F398—Champion, self-feed and propeller hand feed upright drill, as above described, for hand power only, w't 600 lbs.★each \$.....



No. F201—Champion, upright combination automatic self-feed and compound lever-feed, with cut gears and ball bearings, table is raised and lowered by a rack and can be turned back out of the way, drills to center of 21 in. circle, up-and-down run of spindle 5 1/2 in., spindle 1 1/2 in. in diameter, bored like "Never-Slip" chuck, to take in 1/2 in. straight shank drill bits, drills from 0 to 1/2 in., with wheel hanger for drilling tires, w't 415 lbs.★each \$108.70

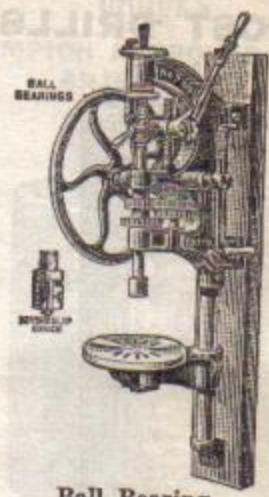
No. F1201—Tight and Loose Pulleys for power for No. F201 Champion, extra★each \$9.40

Drill Bits not included with Drills.



CHAMPION Post Drill is built to furnish a self-feed drill at the lowest price possible. Has back gears and slotted lathe-turned table. Will drill to center of a 12-inch circle. Has one speed for the crank. The spindle is 3/8 inch in diameter. It drills holes up to 3/4 inch and has an up-and-down run of 3 inches. The spindle is bored like never slip chuck for 1/2-inch straight shank drills; when specially ordered 1 1/4. Greatest distance from table to spindle 8 1/2 inches.

No. F103—Ball Bearing, w't each 75 lbs.★each \$.....



Ball Bearing.

No. F200—Champion, upright, combination automatic self-feed and lever-feed, ball bearings, double sliding back gears, drills to center of 18 in. circle, up-and-down run of spindle 5 1/2 in., spindle 1 1/2 in. in diameter, bored like "Never-Slip" chuck to take 1/2 in. straight shank drill bits, drills from 0 to 1 1/2 in., w't 240 lbs.★each \$81.40

No. F1200—Tight and loose pulleys for power for F200 Champion, extra★each \$.....

ONE IN A CRATE

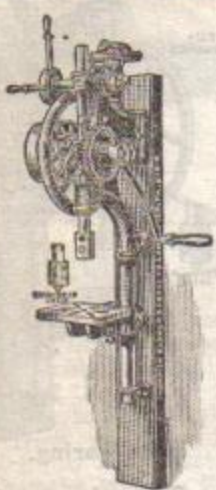


Has improved third gear principle which gives the second speed the same crank motion as on the first speed. The third gear being part of the handle hub, it is therefore disengaged when using first speed, saving the continuous labor of pulling along an intermediate gear while using the first speed; has double journal bearings to all working parts.

No. W95—New Champion, ball bearing self-feed blacksmiths', made of best material, bearings ground out of solid metal, tempered die steel cup and cone ball bearing to take end thrust, 1 1/2 in. steel spindle bored like "Never-Slip" chuck, for 1/2 in. straight shank drills, 3 1/2 in. up-and-down run, drills to center of 16 in. circle, holes from 1/8 to 1 1/2 in., back geared, greatest distance from table to spindle 9 1/2 in., w't 130 lbs., each\$32.00

UPRIGHT DRILLS

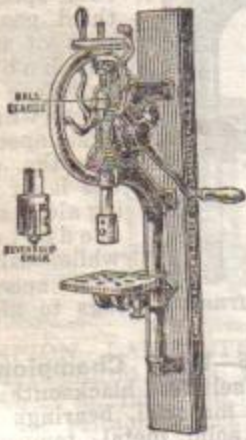
POST DRILLS



This drill has points of simplicity never found on a drill before at this price.

No. W97—Champion automatic self-feed and propeller wheel hand feed and quick return, two speeds, quick acting, end thrust ball bearings ground from solid metal, drills to center of 16½ in. circle and holes from 0 to 1½ in., lathe turned slotted table, 1½ in. spindle, 5½ in. up-and-down run, spindle takes ½ in. straight shank bits, w't 175 lbs., each\$45.40

No W97½—With tight and loose pulleys, 6 in. diam. 2 in. face for power, speed 250 R. P. M., w't each 175 lbs.each \$.....



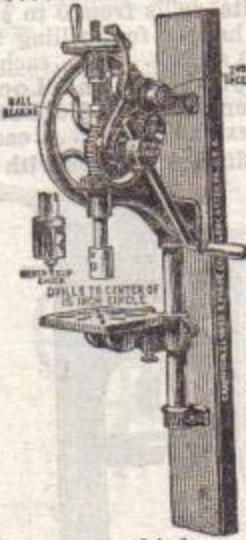
No. W91—Champion, two speed ball bearing, full automatic self-feed, blacksmiths', with end thrust ball bearing cups and cones of tool steel, drills to center of a 14½ in. circle, bores holes up to 1 in., 1½ in. spindle up-and-down run of 3 in., spindle bored like "Never-Slip" chuck to take in ½ in. straight shank drill bits, slotted lathe turned table, w't 110 lbs.each \$22.70



CHAMPION, ball bearing, self-feed blacksmiths', made of best material bearings ground from solid metal, steel spindle bored like "Never-Slip" chuck, 3 in. up-and-down run, single speed, with back gear slotted lathe-turned table.

No. W101—½ in. spindle drills to center of 12 in. circle, holes from ¼ to ¾ in., for ½ in. straight shank drills, greatest distance from table to spindle 10 in., w't each 80 lbs., each\$18.00

No. W98—1 in. spindle drills, to center of 14 in. circle, holes from ¼ to 1 in., for ½ in. straight shank drills, greatest distance from table to spindle 10 in., w't each 100 lbs., each\$21.40



This drill has a third gear to give the second speed the same turning direction of the crank as the first speed, and full back gears with two speeds to the crank.

No. W195—Champion, ball-bearing full automatic self-feed, blacksmiths', with cups and cones of tool steel, drills to center of a 15 in. circle, drills holes up to 1½ in., 1½ in. spindle, up-and-down run of 3½ in., spindle bored like "Never-Slip" chuck to take in ½ in. straight shank drill bits, slotted lathe turned table, greatest distance from table to spindle 10 in., w't 115 lbs., each\$29.40

Drill Bits Not Included With Drills.



No. W93½—Champion, self feed, blacksmiths', made of best material, bearings ground out of solid metal, 1½ in. steel spindle bored like "Never-Slip" chuck, for ½ in. straight shank drills, 3 in. up-and-down run, drills to center of 15 in. circle, holes from ¼ to 1½ in., 2 speeds, full back gear, w't 115 lbs., each\$28.00

No. W94—With tight and loose pulleys, 6 in. in diam., 2 in. face for power, speed 250 R. P. M., w't 115 lbs.each \$.....

This tool is designed for light and quick work, where tire drilling and counter-sinking is an object.

Our stock on above drills have spindles bored to take ½ in. straight shank drill bits. If specially ordered from factory, will be bored to take ¾ in.



No. W100—Champion, lever feed blacksmiths', made of best material, bearings ground out of solid metal, steel spindle bored like "Never-Slip" chuck for ½ in. straight shank drills, 4½ in. up-and-down run, drills to center of 14 in. circle, holes up to ¾ in., with back gear, slotted lathe turned table, w't 110 lbs., each\$24.00

BALL-BEARING POST DRILL



CHAMPION, ball bearing, hand feed, made of best material, bearings ground out of solid metal, $\frac{1}{2}$ in. steel spindle bored like "Never-slip" chuck, 3 in. up-and-down run, drills to center of 12 in. circle, holes from $\frac{1}{16}$ to $\frac{1}{2}$ in., slotted lathe turned table, greatest distance from table to

spindle 8 in., w't 60 lbs.

No. W52—For $\frac{1}{2}$ in. straight shank drills each \$15.60

ONE IN A CRATE

CHAMPION POWER BENCH DRILL

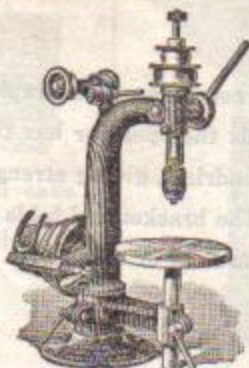


The Champion No. 0 Power Bench Drill represents a powerful and well-built Power Bench Drill with every detail for completeness in design and workmanship taken into consideration. The top of the drill base is planed off to use as a table when the regular drill table is turned to one side, thus giving a space of 16 in. between the chuck and base-table. The upper cone pulley is between two bearings, thus relieving the strain. Countershaft is supplied with belt shift on tight and loose pulley and feed lever is equipped with spring arrangement so at all times automatically keep lever and bit up and out of work.

No. 0—Drills to center of a 9 in. circle. Bore holes up to $\frac{1}{16}$ in. in diameter. Up-and-down run of spindle 12 in., up-and-down run of table 10 in., greatest distance from table to spindle 10 in., greatest distance from planed base to spindle 16 in., one tight and loose pulleys $4 \times 1\frac{1}{2}$ in., one of large cone pulley $4\frac{1}{2} \times 1\frac{1}{2}$ in., one of small cone pulley $3 \times 1\frac{1}{2}$ in., spindle is bored with No. 1 morse taper hole, height 32 in., w't 115 lbs., each \$50.00

ONE IN A CRATE

BALL-BEARING BENCH DRILLS

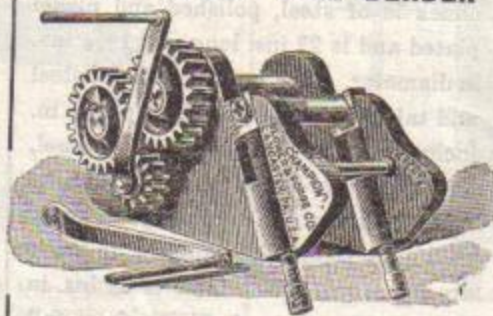


Particularly adapted for light automobile or bicycle repair work.

Strong and well built, for light accurate and rapid drilling. Driven exclusively by belt and with the aid of cone pulleys two separate speeds can be had. Countershaft has belt shifter on the tight and loose pulley and feed lever can be returned without affecting position of belt by a patent device in feed lever hub. The best possible drill and one guaranteed in every respect.

No. F50—Champion, sensitive bench drill, with Star chuck, double flange top cone, table swings 180° horizontally, end thrust ball bearing, adjustable spindle stop, spindle has $2\frac{1}{2}$ in. up-and-down run, table has 7 in. up-and-down run, diam. of table 8 in. drills to center of 10 in. circle, drilling capacity $\frac{1}{8}$ in., size of tight and loose pulley $4 \times 1\frac{1}{2}$ in., height $27\frac{1}{2}$ in., speed of driving pulley 550 R. P. M., w't 90 lbs., each* \$52.00

NEW PATENT TIRE BENDER



NEW PATENT TIRE BENDER

Its adjusting roll has an adjusting screw at each end, with a graduated indicator and double back gear, and worked with two cranks and two speeds, one for light and fast work and the second for heavy work. The center roll pulls out to take the tire out.

No. 2—Champion, will bend any size up to $3 \times \frac{1}{2}$ in., w't 120 lbs., each \$.....

ONE IN A CRATE

CHUCKS

CHAMPION IMPROVED 3-JAW ADJUSTABLE



Ball-bearing, hand adjustable. Accurate, self-centering, simple and positive in operation.

No. 0 — $\frac{1}{2}$ in. adjustable each \$5.00
No. 00 — $\frac{1}{4}$ in. each 0.85
No. 000 — $\frac{1}{8}$ in. each 0.85
No. 1 — Morse taper each 1.25
No. 2 — Morse taper each 1.25
No. 3 — Morse taper each 1.25
No. 4 — Morse taper arbor each 2.00

CHAMPION MOLE TIRE SHRINKER



Guaranteed to work correctly and is recommended only where lowest priced shrinker is desired. Built of first-class material and workmanship throughout and furnished with and without Anti-Kinking attachment.

No. 1—Will shrink tires, $2\frac{1}{2} \times \frac{1}{2}$ in., w't 125 lbs. each \$.....
No. 2—Will shrink tires, $3 \times \frac{1}{2}$ in., w't 225 lbs. each \$.....
No. 3—Will shrink tires $4 \times \frac{1}{2}$ in., w't 250 lbs. each \$.....
No. 4—With Anti-kinking device, will shrink tires $3 \times \frac{1}{2}$ in., w't 240 lbs., each \$.....
No. 5—With anti-kinking device, will shrink tires, $4 \times \frac{1}{2}$ in., w't 275 lbs., each \$.....

ONE IN A CRATE

★ Items Marked Thus ★ Are Shipped From Factory Only.

ROSE TOOLS, INC.

BENCH DRILLS

The feature of these drills are their strength, convenience and rapidity of operation, by means of automatic and friction feeds the operator has the free use of one hand to hold work. The columns are cylindrical, giving strength and rigidity as well as being graceful in appearance. The bracket and table are removable for any high work that can be supported on floor or other wise.



YANKEE
One Speed.

One turn of the crank gives $3\frac{1}{2}$ revolutions to spindle. The spindle is $\frac{3}{8}$ in. in diameter. The chuck is made of steel, polished and nickel plated and is $1\frac{3}{4}$ ins. long and 1 in. in diameter. The jaws are of tool steel and take round shank drills up to $\frac{1}{2}$ in. diameter inclusive. The feed is of steel, has V tread and fitted with ball bearing at lower end. All steel parts subject to wear are hardened. The table is $4\frac{1}{2}$ ins. in diameter, its center $2\frac{1}{2}$ ins. from face of slide. This drill has an extra large capacity the distance from the table to the chuck being 5 ins. The frame is finished in dead black. Height of drill overall 18 $\frac{1}{2}$ ins.

No. W1003—W't each 20 lbs.
each\$20.70

ONE IN A BOX



YANKEE
Two Speed

The speeds can be changed quickly. Fast speed gives $3\frac{1}{2}$ revolutions of the spindle to one of the crank and slow speed gives one revolution of the spindle to one of the crank. The spindle is $\frac{9}{16}$ in. in diameter. The chuck is of steel, polished and nickel plated and is $2\frac{3}{4}$ ins. long and $1\frac{1}{16}$ ins. in diameter. The jaws are of tool steel and take round shank drills up to $\frac{1}{2}$ in. inclusive. The feed screw is of steel, has square thread to insure durability, and fitted with ball bearing at lower end. All steel parts subject to wear are hardened. The table is $6\frac{3}{4}$ ins. in diameter, its center is $3\frac{1}{2}$ ins. from fall of slide. This drill has an extra large capacity the distance from the table to the chuck being 7 $\frac{1}{2}$ ins. The frame is finished in dead black. Height of drill overall 28 ins.

No. W1005—W't each 57 lbs.,
each\$34.50

ONE IN A BOX

Carry a line of goods upon which you can rely.

The dealer who carries H. S. B. & Co. Brands marks his store as a place where the better goods are sold.

A house with over sixty-seven years' experience stands back of our brands.

Our reputation founded on over sixty-seven years' business stands back of the **OYE** brand.

All goods branded **OYE** are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling **OYE** articles there is a profit for you and satisfaction to your customers.

CARPENTERS' SHOULDER TOOL CHESTS



Nicely finished, with iron handles, fitted with iron lock and key.

- No. 31—Size 28x8x8 in. inside measurement, will take 19 in. panel saw, w't each 11 lbs.each \$6.80
- No. 42—Size 32x8x8 in. inside measurement, will take 23 in. saw, w't each 14 lbs.each \$7.80

PACKED LOOSE

REYNOC



Hardwood, nicely finished and stained. Opens on side, furnished with lifting handle, brass suit case lock, clasps, knees and corners. Has saw rack and tray.

	11	112
Size, in.	32x7x12	32x7x17
W't each, lbs.	13	15
Each	\$9.50	12.00

PACKED LOOSE

REYNOC CABINET MAKERS' BENCHES



Hard maple, thoroughly seasoned and kiln-dried, glued on maple top, 2 1/2 in. thick, 10 in. recess for tools at back, maple legs 1 1/2x3 1/2 in., furnished with front and tail vises, both fitted with 2 1/2 in. wood bench screws; under side of front piece of the top and upper edge of front girt are grooved to receive plane when wanted.

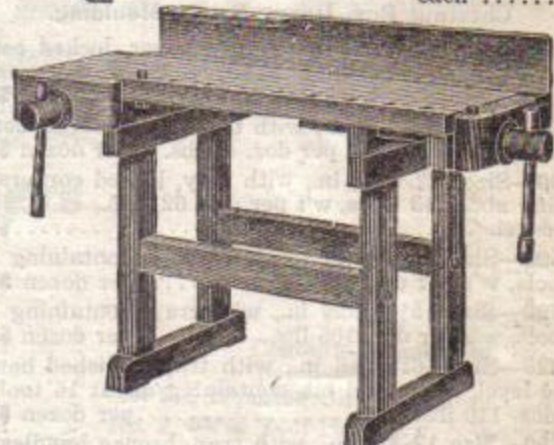
	W1	W2	W3
Length, ft.	6 1/2	7	5 1/2
Width, in.	24	24	24
Depth, in.	34	34	34
Maple top, in.	16	16	16
W't each, lbs.	180	200	150
Each	\$57.60	68.40	54.00

ONE IN A CRATE

REYNOC MANUAL TRAINING BENCHES



No. W16—Hard Maple, thoroughly seasoned and kiln-dried. Height 32 in., length 52 in., width 22 in., including tool recess 7 1/2 in. wide. Top 2 1/2 in. thick, drawer 30x19x6 in., fitted with bronzed pulls, w't each 150 lbs., each\$36.00



No. W4—Hard maple, thoroughly seasoned and kiln-dried. Length 4 feet exclusive of vises, width 22 in., height 32 in., glued-up maple top 13 in. wide and 1 1/2 in. thick, 8 1/2 in. recess for tools at back; back board for holding tools, size of legs 1 1/2x3 in. Furnished with front and tail vises, both fitted with 2 1/2 in. wood bench screws. W't each 120 lbs.each \$22.80

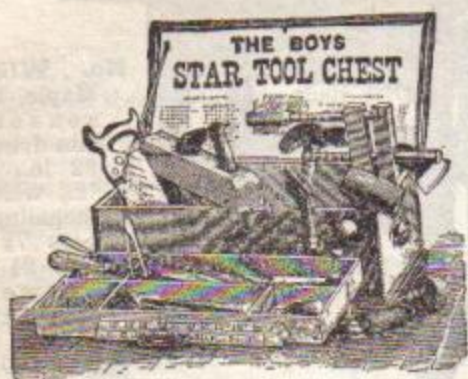


Hard maple, thoroughly seasoned and kiln-dried, with cabinet, length 4 feet exclusive of vises, width 22 in., height 32 in., glued-up maple top 13 in. wide and 1 1/2 in. thick, 8 1/2 in. recess for tools at back, backboard for holding tools, cabinet contains three drawers and cupboard all fitted with locks and keys. Drawers are 19x16x5 in., cupboard is 18 1/2x18x10 in., legs 1 1/2x3 in., furnished with front and tail vises, both fitted with 1 in. wood bench screws; also furnished with three spring wood stops.

No. W14—With Rapid-Acting Vise on side, w't each 190 lbs.each \$47.50
No. W13—Without Rapid-Acting Vise on side, w't each 175 lbs.each \$38.00

ALL ABOVE ONE IN A CRATE

TOOL CHESTS



Chestnut Box, Heavy Brown Moulding.

- No. 245**—Size $9\frac{1}{2} \times 4\frac{1}{2} \times 2\frac{1}{2}$ in., hinged cover, locked corners, well finished, containing about 8 tools, w't per doz. 17½ lbs. \$19.80
- No. 260**—Size $11 \times 5 \times 3\frac{1}{2}$ in., with till, hinged cover, containing about 11 tools, w't per doz. 40 lbs. ... per dozen \$19.80
- No. 290**—Size $12\frac{1}{2} \times 6 \times 4\frac{1}{2}$ in., with tray, locked corners, containing about 13 tools, w't per doz. 62½ lbs., per dozen \$28.80
- No. 2600**—Size $14\frac{1}{2} \times 6\frac{1}{2} \times 4\frac{1}{2}$ in., with tray, containing about 16 tools, w't per doz. 90 lbs. per dozen \$36.00
- No. 2700**—Size $15\frac{1}{2} \times 7\frac{1}{2} \times 5\frac{1}{2}$ in., with tray, containing about 16 tools, w't per doz. 105 lbs. per dozen \$50.40
- No. 2725**—Size $16\frac{1}{2} \times 7\frac{1}{2} \times 6$ in., with tray, polished hammer, large level, brace and bit, containing about 16 tools, w't per doz. 110 lbs. per dozen \$57.60
- No. 2750**—Size $17 \times 8 \times 6$ in., with tray, bronze handles, containing about 24 tools, w't per doz. 125 lbs., per dozen \$72.00
- No. 2800**—Size $18 \times 8\frac{1}{2} \times 6\frac{1}{2}$ in., with tray, bronze handles, containing about 28 tools, w't per doz. 140 lbs., per dozen \$93.60
- No. 45B, SIX DOZEN; NO. 60B, THREE DOZEN; NO. 90B, TWO DOZEN; BALANCE, ONE DOZEN IN A CRATE.**

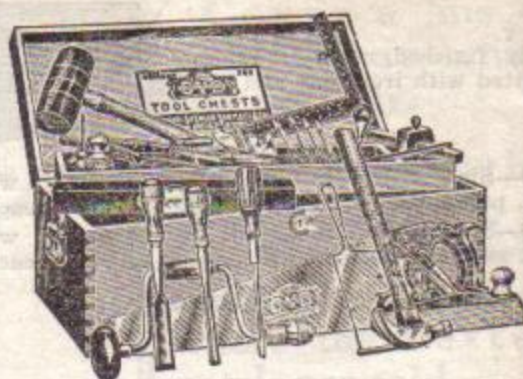
All sizes given are inside measures.



- No. 500—H. S. B. & Co.'s men's work box**, containing 17 different tools as enumerated below, made by the best makers and taken direct from stock, the assortment includes just such tools as every man needs about the house, dovetailed box, length 2 ft. 3½ in., width 8½ in., height 4½ in., w't 19 lbs. each \$14.50

Contents One Each of the Following:

- | | |
|--|--------------------------------|
| No. 102 Level. | Gimlet Bit. |
| No. 40 Tool Handle. | No. 2 Maricopa Half Hatchet. |
| Pair 6-in. Button Pliers. | No. 110 REVERSE Block Plane. |
| No. 1—5 in. Screw Driver. | 8 in. Washita Oil Stone, 1 lb. |
| No. 61 Rule. | Calumet Bell Face Nail Hammer. |
| 8 in. Agricultural Wrench. | No. 80—22 in. Panel Saw. |
| 1 each 1, 2, 3 and 4 in. Cast Steel Auger Bit. | 10 in. Barker's Brace. |
| No. 15—1½ in. German | |

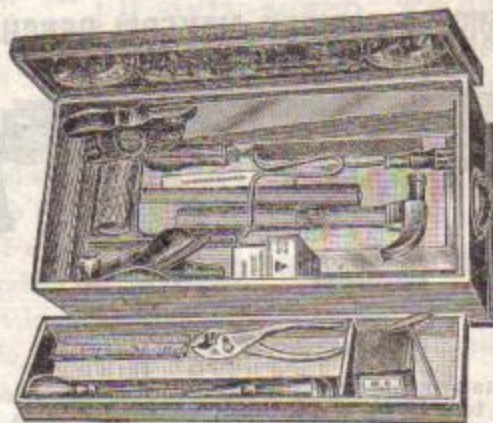


- No. T200**—Hardwood box with tray size $25\frac{1}{2} \times 11\frac{1}{2} \times 9\frac{1}{2}$ in., dovetailed box, nicely finished, fitted with lock and key and chest handles on ends, contains 25 high grade tools, w't 40 lbs. each \$33.33

Contents One Each of the Following:

- | | |
|---------------------------|--------------------------------------|
| No. 2 A. E. Nail Hammer. | 6 in. Flat Bastard File and Handle. |
| ½ in. Socket Butt Chisel. | 6 in. Flat Slim Taper and Handle. |
| 1 in. Socket Butt Chisel. | 1 each 1, 2, 3 and 4 in. Auger Bits. |
| 20 in. Panel Saw. | Gimlet. |
| No. 100 Coping Saw. | 8 in. Plain Brace. |
| 6 in. Wing Divider. | 5 in. Screw Driver. |
| 10 in. Steel Square. | No. 35½ Nail Set. |
| Scratch Awl. | No. 322 REVERSE Pliers. |
| No. 62 Marking Gauge. | Alligator Wrench. |
| No. R24 Plane. | No. 31 Oiler. |
| No. 22½ Mallet. | 2 oz. of Glue. |
| No. 102 Level. | No. 111 Carpenter's Pencil. |
| No. 03 Zigzag Rule. | |

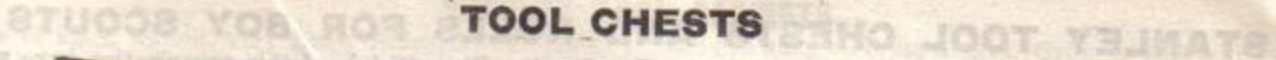
CRUSO BOYS'



Not a cheap plaything, but a real set of tools with which a boy can do careful work. A great bargain at the price quoted.

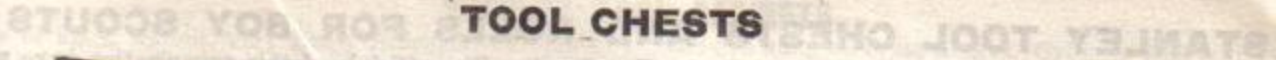
- No. 1800**—Contains 15 well-made serviceable tools taken from our regular stock; No. 3 Cruso nail hammer, No. 14 Cruso panel saw, No. 20 Cruso mallet, ½-inch butt chisel, No. 110R REVERSE plane, No. 012 3-in. screw driver, No. 0100 coping saw, No. 6 try square, 1-ft. flat rule, No. 68 boxwood rule, No. 010 gimlet, 8-in. mill file with handle, No. 306 plier, scratch awl; Also package tacks, brads and wire nails; Chest is $18\frac{1}{2} \times 8\frac{1}{2} \times 6\frac{1}{2}$ in. with tray; w't 14 lbs. Nicely finished, each \$11.50

TOOL CHESTS



TOOL CHESTS

TOOL CHESTS



TOOL CHESTS

TOOL CHESTS

TOOL CHESTS

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TOOL CHESTS

TOOL CHESTS

TOOL CHESTS

STANLEY TOOL CHESTS AND ROLLS FOR BOY SCOUTS

The following chests have been designed especially for Boy Scouts. The officials of this organization have put these Tool Chests in the new Equipment number of Scouting. Appeals have been sent out to thousands of Boy Scouts and Adult Scout Leaders to put over new development in the scouting program in encouraging and interesting boys in the use of tools in the home.

The tools in these assortments are of the dependable Stanley quality. A practical collection of good tools for the home. All chests are made from hardwood nicely finished, 20 in. long, 10½ in. wide, 8 in. deep.

TOOL CHESTS

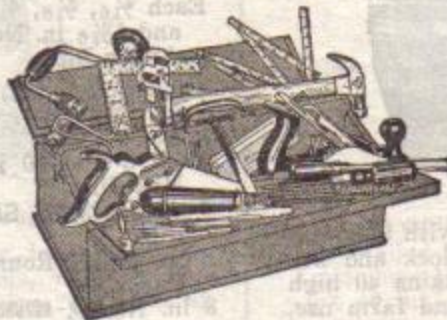


No. T888A—Contains 32 tools w't 35 lbs.each \$54.50

Contents, one each of the following:

No. 04 Stanley Zig Zag Rule
No. 12, 13 oz. Stanley Hammer
No. 302 Stanley Hollow Tool Set, containing
Gimlet
File
Saw
Chisel
Square Reamer
Small Screw Driver
Two Brad Awls
Extra Long Saw
Pair Pliers
½ in. Stanley Cold Chisel
8 in. Adjustable Wrench
No. 2, 6 in. Stanley Try and Mitre Square
16 in. Hand Saw
No. 3 Stanley Bailey Plane
Coping Saws with 12 extra blades
No. 20 Stanley Hurwood Screw Driver
No. 945, 8 in. Stanley Bit Brace
½ in. Auger Bit
¾ in. Auger Bit
Gimlet Bit
Sharpening Stone
No. 40, 1 in. Stanley Chisel
8 in. Flat Mill File with Handle
No. 62 Stanley Marking Gauge
No. 742 Stanley Vise
Glass Cutter
No. 23 Stanley Countersink
No. 10, 12 in. Stanley Steel Square
Expansive Bit
No. 11 Stanley Nail Set
No. 104, 18 in. Stanley Level
Adjustable Pipe Wrench
No. 147, 4 oz. Stanley Riveting Hammer
No. 3 Stanley Hand Drill
Pair Pliers
No. 40, ½ in. Stanley Chisel
No. 19 Stanley Center Punch

TOOL CHESTS

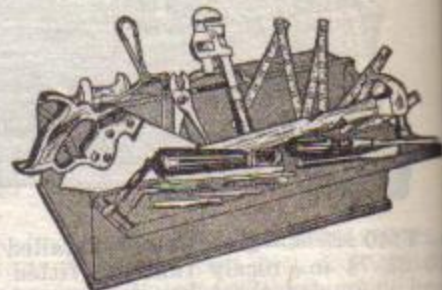


No. T888B—Contains 18 tools, w't 25 lbs.each \$36.50

Contents, one each of the following:

No. 04 Stanley Zig Zag Rule
No. 12, 13 oz. Stanley Hammer
No. 302 Stanley Hollow Tool Set, containing
Gimlet
File
Saw
Chisel
Square Reamer
Small Screw Driver
Two Brad Awls
Extra Long Saw
Pair Pliers
½ in. Stanley Cold Chisel
16 in. Hand Saw
No. 3 Stanley Bailey Plane
Coping Saw with 12 extra blades
No. 20, 4 in. Stanley Screw Driver
No. 945, 8 in. Stanley Bit Brace
½ in. Auger Bit
¾ in. Auger Bit
Gimlet Bit
Sharpening Stone
No. 10, 12 in. Stanley Steel Square
No. 40, ½ in. Stanley Chisel
Glass Gutter
Adjustable Pipe Wrench

TOOL CHESTS

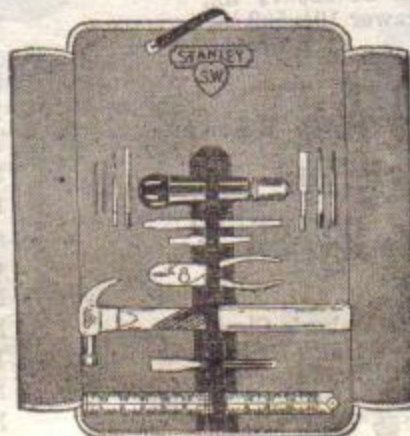


No. T888C—Contains 12 tools, w't 25 lbs.each \$21.50

Contents, one each of the following:

No. 04 Stanley Zig Zag Rule
No. 12, 13 oz. Stanley Hammer
No. 302 Stanley Hollow Tool Set, containing
Two Saws
Chisel
Gimlet Bit
Three-cornered
Tapering File
Screw Driver
Reamer
Two Brad Awls
Pair Pliers
½ in. Stanley Cold Chisel
No. 20, 4 in. Stanley Hurwood Screw Driver
Glass Cutter
Coping Saw with extra blades
Stanley Chalkline Reel
Adjustable Pipe Wrench
16 in., 10 point Hand Saw
No. 11 Stanley Nail Set

TOOL ROLLS



This set is designed for Boy Scouts and is included in the equipment recommended by this organization. Size 14 in. long, 14 in. wide, when opened.

No. 873—Contains 5 tools, w't 3 lbs.each \$9

Contents, one each of the following:

No. 12, 13 oz. Stanley Hammer
½ in. Stanley Cold Chisel
No. 302 Stanley Tool Set containing
Gimlet
Saw
File
Chisel
Square Reamer
Small Screw Driver
Two Brad Awls
Pair Pliers
No. 61 Stanley Rule
ONE IN A BOX

STANLEY TOOL CABINETS

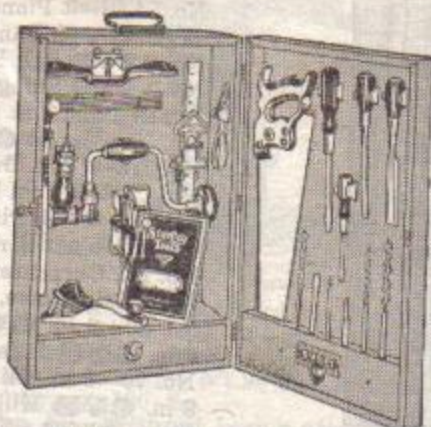
Made of black walnut, very finely finished. The paneled doors are hung on brass hinges. Cylinder lock with two keys. Tools are held firmly in place by specially constructed clips. The drawers are divided into compartments for holding small tools.



No. T800—Contains 25 tools, length 22 in., height 12 in., depth 6 in., fitted with leather handle for carrying, w't 33 lbs. each \$57.00

Contents, one each of the following:

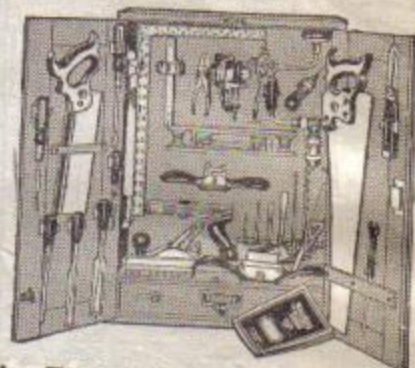
- No. 25, 5 in. Screw Driver
- No. 20, 5 in. Screw Driver
- No. 30, 3 in. Screw Driver
- No. 40, 1/4 in. Chisel
- No. 40, 3/4 in. Chisel
- No. 24 Zig Zag Rule
- No. 11, 2-32 in. Nail Set
- No. 12, 13 oz. Hammer
- No. 14, 4 oz. Hammer
- No. 15, 5-64 in. Center Punch
- No. 16, 5-64 in. Screw Driver Bit
- No. 17, 5-64 in. Screw Driver Bit
- No. 18, Countersink
- No. 19, Hollow Handle Tool Set
- No. 20, Odd Job
- No. 21, 6 in. Bit Brace
- No. 22, 13 oz. Hammer
- No. 23, 4 oz. Hammer
- No. 24, Plane
- No. 25, Expansive Bit
- No. 26, Auger Bit
- No. 27, Auger Bit
- No. 28, Auger Bit
- No. 29, Bit
- No. 30, Saw



No. T852—Contains 20 tools, height 22 in., width 14 in., depth 6 1/2 in., w't 37 lbs. each \$44.00

Contents, one each of the following:

- No. 20, 5 in. Screw Driver
- No. 50, 3 in. Screw Driver
- No. 40, 1/4 in. Chisel
- No. 40, 3/4 in. Chisel
- No. 11, 2-32 in. Nail Set
- No. 26, 5/8 in. Screw Driver Bit
- No. 151 Spoke Shave
- No. 1 Odd Job
- No. 204 Zig Zag Rule
- No. 945, 8 in. Bit Brace
- No. 12, 13 oz. Hammer
- No. 741 Vice
- No. 220 Plane
- No. 305 Hollow Handle Tool Set
- 16 in. Panel Saw
- Pair Pliers
- Gimlet Bit
- 1/4 in. Auger Bit
- 1/2 in. Auger Bit
- 3/4 in. Auger Bit

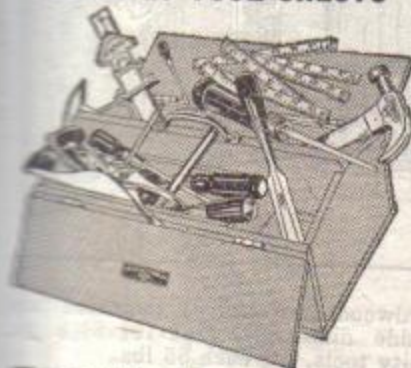


No. T851—Contains 35 tools, height 26 1/2 in., width 19 1/2 in., depth 8 in., w't 80 lbs. each \$90.50

Contents, one each of the following:

- No. 25, 8 in. Bevel
- No. 20, 5 in. Screw Driver
- No. 40, 4 in. Screw Driver
- No. 50, 3 in. Screw Driver
- No. 105, Zig Zag Rule
- No. 40, 1/4 in. Chisel
- No. 40, 3/4 in. Chisel
- No. 40, 1 in. Chisel
- No. 18, B Steel Squares
- No. 6594 Gauge
- No. 741 Vice
- No. 915, 8 in. Bit Brace
- No. 305 Hollow Handle Tool Set
- No. 36, G, 12 in. Plumb and Level
- No. 151 Spoke Shave
- No. 5 1/4 Plane
- No. 60 Plane
- No. 80 Scraper
- No. 11, 2-32 in. Nail Set
- No. 1A, 1/2 in. x 6 in. Cold Chisel
- No. 26, 5/8 in. Screw Driver Bit
- No. 49 Bit Gauge
- No. 21, 9 in. Square
- No. 12, 13 oz. Hammer
- No. 147, 4 oz. Hammer
- 20 in. Panel Saw
- Keyhole Saw
- Pair Pliers
- Oil Stone
- 10 in. Back Saw
- Gimlet Bit
- 1/4 in. Auger Bit
- 1/2 in. Auger Bit
- 3/4 in. Auger Bit
- Coping Saw with 12 Extra Blades

STANLEY TOOL CHESTS



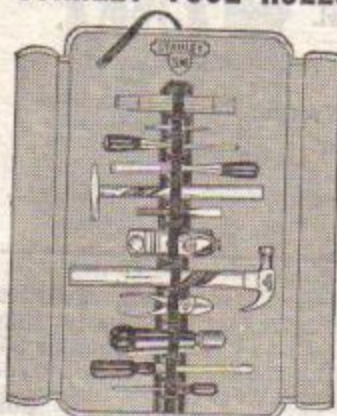
The covers are swung on ornamental brass hinges, a brass handle is placed at the top for carrying.

No. T801—Contains 15 tools, length 15 in., width 8 1/2 in., depth 6 1/2 in., w't 30 lbs. each \$26.50

Contents, one each of the following:

- No. 1A, 1/2 in. x 6 in. Cold Chisel
- No. 11, 2-32 in. Nail Set
- Pair Pliers
- No. 15, 5-64 in. Center Punch
- No. 19, Hollow Handle Tool Set with Extra Saw
- No. 220 Plane
- No. 12, 13 oz. Hammer
- No. 14, 4 oz. Hammer
- No. 40, 1/4 in. Chisel
- No. 40, 3/4 in. Chisel
- No. 25, 5 in. Screw Driver
- No. 26, 4 in. Screw Driver
- No. 27, 3 in. Screw Driver
- No. 28, Odd Job
- No. 24 Zig Zag Rule

STANLEY TOOL ROLLS



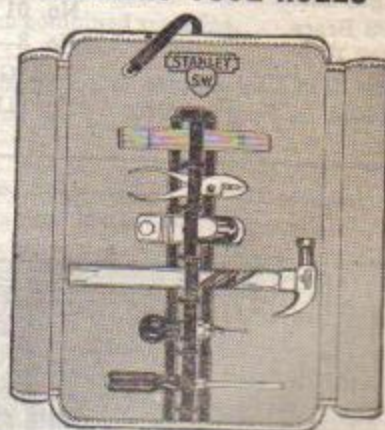
No. 871—Contains 12 tools, length 25 in., width 14 in. when open, heavy brown canvas, w't 6 lbs., each \$18.30

Contents, one each of the following:

- No. 04 Zig Zag Rule
- No. 40, 1/4 in. Chisel
- No. 40, 3/4 in. Chisel
- No. 11, 2-32 in. Nail Set
- No. 1A, 1/2 in. x 6 in. Cold Chisel
- No. 12, 13 oz. Hammer
- No. 147, 4 oz. Hammer
- No. 203 Plane
- No. 302 Hollow Handle Tool Set with Extra Saw
- Pair Pliers
- No. 70, 5 in. Screw Driver
- No. 77, 3 in. Screw Driver

ONE IN A BOX

STANLEY TOOL ROLLS



No. 872—Contains 6 tools, length 20 in., width 14 in. when open, heavy brown canvas, w't 3 lbs., each \$10.20

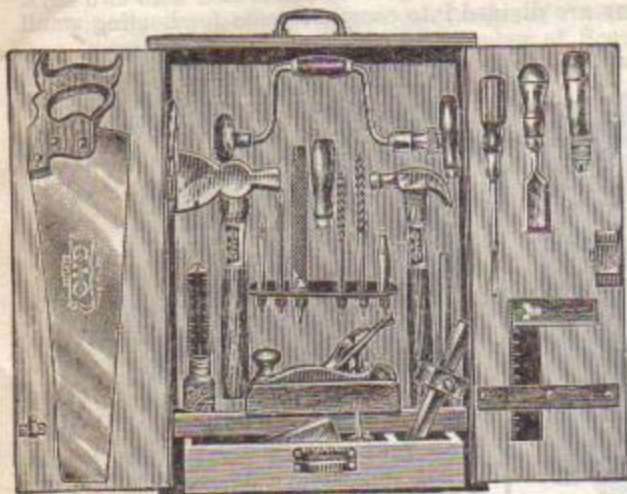
Contents, one each of the following:

- No. 20, 4 in. Screw Driver
- Pair Pliers
- No. 103 Plane
- No. 12, 10 oz. Hammer
- No. 305 Hollow Handle Tool Set
- No. 404, Zig Zag Rule

ONE IN A BOX

TOOL CABINETS

Contents One Each of the Following:



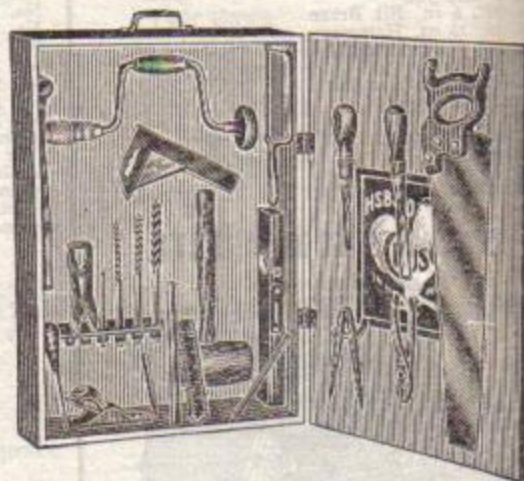
No. T125 **CRUSO**—Hardwood, nicely varnished, dovetailed, with two paneled doors, outside measurement 24×17×6 in., inside measurement 22½×15½×5½ in., inside drawer 13½×3×2 in., brass hinges, lock with key and heavy brass bolt with 21 best grade tools, w't each 43 lbs., each \$32.50

No. 24 **REYNOLDS** Plane.
18 in. **CRUSO** Panel Saw.
No. 2 **CRUSO** Bell Face Nail Hammer.
No. 1 **CRUSO** Shingling Hatchet.
1 each ½ and ¾ in. **CRUSO** Auger Bits.
No. 30—½nds **CRUSO** Gimlet Bit.
No. 213—1½ in. Butt Chisel.
No. 1 **CRUSO** Tool Handle.
No. 126 **CRUSO** Plier.
No. 3 Cabinet Scraper.
No. 111 Carpenter's Pencil.
8 in. Plain Brace.
No. 20—6 in. **CRUSO** Try Square.
6 in. **CRUSO** Screw Driver.
No. 70—6 in. Oil Stone.
8 in. **CRUSO** Mill File, with Handle.
5½ in. **CRUSO** Slim Taper File, with Handle.
No. 44 **CRUSO** Nail Set.
No. 61 Rule.
No. 62 Marking Gauge.
No. 31 Copper Plated Oiler.
2 oz. LePage's Glue.

No. 115 **CRUSO**, cottonwood box, size 24×17×6 in., nicely finished, fitted with one handle on end, contains 25 tools, w't each 21 lbs. each \$13.50

Contents One Each of the Following:

No. 012 Calumet Hammer.	No. 25 Gimlet.
No. 315—3 in. Chisel.	No. R102 Plane.
No. 50—18 in. Panel Saw.	No. 20 Mallet.
No. 100 Coping Saw.	No. 100 Scratch Awl.
No. F63 Rule.	No. 35½ Nail Set.
1 each ¼, ½ and ¾ in. No. 62 Auger Bits.	No. 155 Level.
No. P8 Brace.	No. 01 Alligator Wrench.
No. 306 Plier.	No. 3—6 in. Divider.
No. 26—6 in. Try Square.	2 oz. Glue.
No. 10—4 in. Screw Driver.	No. 111 Pencil.



No. T101 **REYNOLDS**—Hardwood, dovetailed, panned and nicely finished, outside dimensions 26½×19½×8¾ in., contains 35 first quality tools, w't each 55 lbs., each \$41.00

Contents One Each of the Following:

2 Planes.	1 18 in. Saw.
1 Rule.	1 Brace.
1 Try Square.	3 Gimlets.
1 Marking Gauge.	3 Auger Bits.
1 Knurled Nail Set.	3 Chisels.
1 Pair Wing Dividers.	2 Screw Drivers.
1 Pair Gas Pliers.	1 Hack Saw.
1 Pair Flat Nose Pliers.	1 Hexagon Level.
1 Pair Cutting Nippers.	1 Countersink.
1 Saw File.	1 Cabinet Scraper.
1 Oil Whetstone.	1 Steel Nail Hammer.
1 Oiler.	1 Tack Hammer.
1 Coping Saw.	1 Tool Holder, with 10 Tools.
1 Glue Pot.	
1 Drawing Knife.	



SCROLL SAWS



NEW ROGERS, japanned iron frame, striped in red and gold, japaned tilting-table, selected ash arms and Pitman, steel arbors, carefully fitted to bearings, $4\frac{1}{2}$ in. iron balance wheel, with drilling attachment, improved saw clamps, height of table 32 in. The swing around the table under the arms is 34 in., complete with 1 dozen 5-in. bracket saw blades, wrench, sheet of designs and drill points, w't 25 lbs., boxed for shipment at lbs.

No. F2—With Emery flywheel, each\$20.00

ONE IN A BOX, SHIPPED KNOCKED DOWN



For carpenters and builders, cabinet makers and other wood workers. Will saw pine 2 in. thick, 1 ft. per minute; 4 in. thick, 4 ft. per minute.

The swing around the blade under the arm is 24 in.

No. F7—Cast iron frame, hard maple table and arms, balance wheel runs on steel arbor, 7 in. blade, complete with 1 dozen saw blades, w't 55 lbs., boxed for shipment 80 lbs., each★\$66.50

ONE IN A BOX, SHIPPED KNOCKED DOWN

VELOCIPEDE SCROLL SAWS



Cast iron frame, hard maple table and arms, balance and drive wheels run on steel arbors, 7 in. blade, with one dozen blades, w't 90 lbs., boxed for shipment 130 lbs.

No. F2—Without boring attachment, each★\$76.00

No. F2B—With boring attachment, including one $\frac{3}{16}$ in. bit, each★\$85.50

Swing around blade under arm is 24 in. Boring attachment can be furnished at any time. We furnish extra bits at following prices, each: $\frac{1}{16}$, 15c.; $\frac{3}{32}$, 15c.; $\frac{1}{4}$, 20c.; $\frac{5}{32}$, 20c.; $\frac{3}{16}$, 25c.; $\frac{1}{2}$, 30c.; $\frac{3}{4}$, 35c.

ONE IN A BOX, SHIPPED KNOCKED DOWN

COMBINED CIRCULAR AND SCROLL SAWS



Showing Circular Saw Only.

Neither circular nor scroll saw interferes with successful operation of the other. Capacity of scroll saw is same as that of No. 7. Table can be adjusted up or down by a cam, to allow any desired depth of cut being made by saws or cutter tools. Circular saws are 6 in. in diam. and reach $1\frac{1}{2}$ in. above the table. W't boxed for shipment 350 lbs.

No. F25—Circular saw only—with two 6 in. saws—without attachments, each★\$161.50

No. F26—Scroll saw attachment—1 dozen saws, extra★each \$19.00

No. F27—Boring attachment, with drill chuck, extra★each \$28.50

No. F28—Combined machine, complete with attachments, each★\$190.00

ONE IN A BOX, SHIPPED KNOCKED DOWN

CIRCULAR SAWS



Iron and steel frame, 30x30 in. iron table, complete with self-feed, two 10 in. circular saws—1 each rip and cross-cut, w't 400 lbs., crated 480 lbs.

Hand and foot power for hard or soft, thick or thin lumber. Can be used as a cross-cut saw. Self-feed mechanism can be instantly thrown back to rear of machine, also rip gauge, leaving table perfectly clear for cut-off work. Can be used for rabbeting and grooving. The self-feed can be used for grooving and rabbeting as well as when the machine is used for ripping. Cutter heads are also used for graining and dadoing and with knives of suitable width for joining. Can be provided with boring attachment which is the same as used on the combined machine.

No. F4—For Foot Power, each★\$285.00

No. F5—With countershafts, for steam instead of foot power, each★\$285.00

BORING ATTACHMENTS

No. F6—each★\$28.50

COUNTERSHAFTS

No. F7C—Countershaft and belt pulleys★\$28.50

ONE IN A BOX, SHIPPED KNOCKED DOWN

★ Items Marked Thus ★ Are Shipped From Factory Only.

LATHES



Cut showing portion of No. 5 Screw Cutting Engine Lathe.

Barnes all iron and steel, velocipede foot power.

Swings 11 in. on the face plate, 6½ in. over the tool carriage, and is 34 in. between centers. Back-gearing and cone pulleys give great range of speed. Head stock has a steel spindle with 1½ in. hole through its entire length. Tail stock can be readily set at any desired point, and can be taken off altogether, leaving it free for face plate or chuck work. It can also be set over for turning tapers. Spindles of both head and tail stocks are of steel, with positively true taper holes for the reception of the centers. Tail stock center is self-discharging. Tool carriage is gibbed to the bed. The tool can be set to the work at any position or angle desired; also to bore a taper hole. All the works are securely protected from chips and dirt. As a right or left screw cutting lathe it is simply perfect. All the gearing is cut from solid metal in the best machinery known for gear cutting, and is as true and noiseless as it is possible for metal gearing to be. Weight 385 lbs., boxed ready for shipment, 500 lbs.

No. F5—Lathe, complete,
each★\$362.00

ONE IN A CRATE

HSB & CO.
REV-O-NOC

We Stand Behind the Brand.

FOOT POWER MORTISERS



Has great range for work, power on the chisel, accuracy in its action, and has all the required adjustments, which are easily and quickly made. Has abundant strength, is durable, and occupies but little space. Except for the supplementary table and treadle, the machine is made entirely of iron and steel.

No. F9—Foot power mortisers, without chisels, w't 135 lbs.; boxed 170 lbs.★each \$95.00

No. F10—Self-cleaning mortising chisel, sizes 1, ¾, ½, ¼, ⅛, 1/16, 1/32, 1/64, 1/128, 1/256, 1/512, 1/1024, 1/2048, 1/4096, 1/8192, 1/16384, 1/32768, 1/65536, 1/131072, 1/262144, 1/524288, 1/1048576, 1/2097152, 1/4194304, 1/8388608, 1/16777216, 1/33554432, 1/67108864, 1/134217728, 1/268435456, 1/536870912, 1/1073741824, 1/2147483648, 1/4294967296, 1/8589934592, 1/17179869184, 1/34359738368, 1/68719476736, 1/137438953472, 1/274877906944, 1/549755813888, 1/1099511627776, 1/2199023255552, 1/4398046511104, 1/8796093022208, 1/17592186044416, 1/35184372088832, 1/70368744177664, 1/140737488355328, 1/281474976710656, 1/562949953421312, 1/1125899906842624, 1/2251799813685248, 1/4503599627370496, 1/9007199254740992, 1/18014398509481984, 1/36028797018963968, 1/72057594037927936, 1/144115188075855872, 1/288230376151711744, 1/576460752303423488, 1/1152921504606846976, 1/2305843009213693952, 1/4611686018427387904, 1/9223372036854775808, 1/18446744073709551616, 1/36893488147419103232, 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EMERY WHEELS

Special Price Quoted
on Application

Emery and Aloxite Wheels are
Priced Each.

BEST EMERY



Flat Face Wheels Carried In Stock.

Thickness, in.

	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4
Diam.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.
3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
5	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
6	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40

Thickness, in.

	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4
Diam.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.
7	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
8	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
10	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
12	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20

Round Face Wheels Carried In Stock.

Thickness, in.

	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4
Diam.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.	Arbor, in.
6	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
8	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70
10	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
12	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20

Flat, Round or Beveled Face Wheels Shipped From Factory.

Thickness, in.

	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	Diam.
1	.40	.50	.60	.70	.80	.95	\$1.05	1.15	\$1.35	\$1.55	\$1.80	\$2.00	1				
2	.60	.75	.90	1.00	1.15	1.30	1.45	1.60	1.85	2.15	2.40	2.70	2				
3	.80	1.00	1.20	1.45	1.65	1.85	2.10	2.30	2.70	3.15	3.55	4.00	3				
4	1.10	1.40	1.70	2.00	2.25	2.50	2.80	3.10	3.70	4.25	4.80	5.40	4				
5	1.40	1.70	2.00	2.30	2.60	2.90	3.20	3.50	4.15	4.90	5.70	6.40	5				
6	1.70	2.00	2.30	2.60	2.90	3.20	3.50	3.80	4.50	5.30	6.10	6.90	6				
7	2.00	2.30	2.60	2.90	3.20	3.50	3.80	4.10	4.80	5.60	6.40	7.20	7				
8	2.30	2.60	2.90	3.20	3.50	3.80	4.10	4.40	5.10	5.90	6.70	7.50	8				
9	2.60	2.90	3.20	3.50	3.80	4.10	4.40	4.70	5.40	6.20	7.00	7.80	9				
10	2.90	3.20	3.50	3.80	4.10	4.40	4.70	5.00	5.70	6.50	7.30	8.10	10				
11	3.20	3.50	3.80	4.10	4.40	4.70	5.00	5.30	6.00	6.80	7.60	8.40	11				
12	3.50	3.80	4.10	4.40	4.70	5.00	5.30	5.60	6.30	7.10	7.90	8.70	12				
13	3.80	4.10	4.40	4.70	5.00	5.30	5.60	5.90	6.60	7.40	8.20	9.00	13				
14	4.10	4.40	4.70	5.00	5.30	5.60	5.90	6.20	6.90	7.70	8.50	9.30	14				
15	4.40	4.70	5.00	5.30	5.60	5.90	6.20	6.50	7.20	8.00	8.80	9.60	15				
16	4.70	5.00	5.30	5.60	5.90	6.20	6.50	6.80	7.50	8.30	9.10	9.90	16				
17	5.00	5.30	5.60	5.90	6.20	6.50	6.80	7.10	7.80	8.60	9.40	10.20	17				
18	5.30	5.60	5.90	6.20	6.50	6.80	7.10	7.40	8.10	8.90	9.70	10.50	18				
19	5.60	5.90	6.20	6.50	6.80	7.10	7.40	7.70	8.40	9.20	10.00	10.80	19				
20	5.90	6.20	6.50	6.80	7.10	7.40	7.70	8.00	8.70	9.50	10.30	11.10	20				
21	6.20	6.50	6.80	7.10	7.40	7.70	8.00	8.30	9.00	9.80	10.60	11.40	21				
22	6.50	6.80	7.10	7.40	7.70	8.00	8.30	8.60	9.30	10.10	10.90	11.70	22				
23	6.80	7.10	7.40	7.70	8.00	8.30	8.60	8.90	9.60	10.40	11.20	12.00	23				
24	7.10	7.40	7.70	8.00	8.30	8.60	8.90	9.20	9.90	10.70	11.50	12.30	24				

★ Items Marked Thus ★ Are Shipped From Factory Only.



CARBORUNDUM AND ALOXITE GRINDING WHEELS

HARDEST AND SHARPEST

Carborundum and Aloxite grinding wheels are electric furnace manufactured abrasives and guaranteed for uniformity as to grits and grades.

When ordering sizes not listed be sure to state sizes of arbor hole and class of work wheels are to be used for so that factory may be able to furnish proper grades for each class of work.

Carborundum and Aloxite grinding wheels can be used wet or dry and are guaranteed when used with ordinary care.

CARBORUNDUM WHEELS

FROM STOCK

Flat Face, Medium Grit For General Use.

Nos.	Diameter In.	Thickness In.	Arbor In.	Each.	Nos.	Diameter In.	Thickness In.	Arbor In.	Each.
23	3	$\frac{1}{2}$	$\frac{1}{2}$	\$1.00	56	6	$1\frac{1}{2}$	1	\$3.00
24	4	$\frac{1}{2}$	$\frac{1}{2}$	1.40	28	8	$\frac{1}{2}$	$\frac{1}{2}$	3.00
34	4	$\frac{3}{4}$	$\frac{1}{2}$	1.65	38	8	$\frac{3}{4}$	$\frac{1}{2}$	4.00
44	4	1	$\frac{1}{2}$	1.95	48	8	1	$\frac{1}{2}$	5.00
35	5	$\frac{3}{4}$	$\frac{1}{2}$	2.25	58	8	$1\frac{1}{2}$	1	6.00
45	5	1	$\frac{1}{2}$	2.65	68	8	$1\frac{3}{4}$	1	6.00
26	6	$\frac{1}{2}$	$\frac{1}{2}$	2.40	410	10	1	1	7.00
36	6	$\frac{3}{4}$	$\frac{1}{2}$	2.90	810	10	$1\frac{1}{2}$	$1\frac{1}{2}$	12.00
46	6	1	1	3.40	812	12	2	$1\frac{1}{2}$	16.00

ALOXITE SAW GUMMING WHEELS

FROM STOCK

Round Face Medium Grit.

Nos.	Diameter In.	Thickness In.	Arbor In.	Each.	Nos.	Diameter In.	Thickness In.	Arbor In.	Each.
64	6	$\frac{1}{2}$	$\frac{1}{2}$	\$2.40	124	12	$\frac{1}{2}$	$\frac{1}{2}$	\$6.00
83	8	$\frac{1}{2}$	$\frac{1}{2}$	3.55	P125	12	$\frac{3}{4}$	$\frac{1}{2}$	7.00
84	8	$\frac{1}{2}$	$\frac{1}{2}$	3.55	P126	12	$\frac{3}{4}$	1	7.00
104	10	$\frac{1}{2}$	$\frac{1}{2}$	4.90					

CARBORUNDUM OR ALOXITE GRINDING WHEELS

PICK-UP

In ordering specify thickness, size of arbor and class of work wheels are to be used for.

Diam. Thickness, in.

Nos.	in.	$\frac{1}{2}$	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$	1 $\frac{3}{4}$	2	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4	Diam.		
P1	1	<u>\$0.40</u>	<u>\$0.50</u>	<u>\$0.50</u>	<u>\$0.60</u>	<u>\$0.60</u>	<u>\$0.70</u>	<u>\$0.80</u>	<u>\$0.95</u>	<u>\$1.05</u>	<u>\$1.15</u>	<u>\$1.35</u>	<u>\$1.55</u>	<u>\$1.80</u>	<u>\$2.00</u>
P2	2	<u>.60</u>	<u>.75</u>	<u>.75</u>	<u>.90</u>	<u>.90</u>	<u>1.00</u>	<u>1.15</u>	<u>1.30</u>	<u>1.45</u>	<u>1.60</u>	<u>1.85</u>	<u>2.15</u>	<u>2.40</u>	<u>2.70</u>
P3	3	<u>.80</u>	<u>1.00</u>	<u>1.00</u>	<u>1.20</u>	<u>1.20</u>	<u>1.45</u>	<u>1.65</u>	<u>1.85</u>	<u>2.10</u>	<u>2.30</u>	<u>2.70</u>	<u>3.15</u>	<u>3.55</u>	<u>4.00</u>
P4	4	<u>1.10</u>	<u>1.40</u>	<u>1.40</u>	<u>1.65</u>	<u>1.65</u>	<u>1.95</u>	<u>2.25</u>	<u>2.55</u>	<u>2.80</u>	<u>3.10</u>	<u>3.70</u>	<u>4.25</u>	<u>4.80</u>	<u>5.40</u>
P5	5	<u>1.50</u>	<u>1.90</u>	<u>1.90</u>	<u>2.25</u>	<u>2.25</u>	<u>2.65</u>	<u>3.00</u>	<u>3.40</u>	<u>3.80</u>	<u>4.15</u>	<u>4.90</u>	<u>5.70</u>	<u>6.40</u>	<u>7.20</u>
P6	6	<u>1.90</u>	<u>2.40</u>	<u>2.40</u>	<u>2.90</u>	<u>2.90</u>	<u>3.40</u>	<u>3.90</u>	<u>4.45</u>	<u>4.95</u>	<u>5.40</u>	<u>6.50</u>	<u>7.50</u>	<u>8.50</u>	<u>9.50</u>
P7	7	<u>2.30</u>	<u>2.95</u>	<u>2.95</u>	<u>3.60</u>	<u>3.60</u>	<u>4.30</u>	<u>4.95</u>	<u>5.60</u>	<u>6.30</u>	<u>6.90</u>	<u>8.20</u>	<u>9.60</u>	<u>10.00</u>	<u>12.20</u>
P8	8	<u>2.70</u>	<u>3.55</u>	<u>3.55</u>	<u>4.40</u>	<u>4.40</u>	<u>5.20</u>	<u>6.10</u>	<u>6.90</u>	<u>7.80</u>	<u>8.60</u>	<u>10.30</u>	<u>12.00</u>	<u>13.70</u>	<u>15.40</u>
P9	9	<u>3.10</u>	<u>4.15</u>	<u>4.15</u>	<u>5.20</u>	<u>5.20</u>	<u>6.30</u>	<u>7.40</u>	<u>8.40</u>	<u>9.50</u>	<u>10.60</u>	<u>12.70</u>	<u>14.80</u>	<u>17.00</u>	<u>19.10</u>
P10	10	<u>3.60</u>	<u>4.90</u>	<u>4.90</u>	<u>6.20</u>	<u>6.20</u>	<u>7.50</u>	<u>8.90</u>	<u>10.20</u>	<u>11.50</u>	<u>12.80</u>	<u>15.40</u>	<u>18.00</u>	<u>20.70</u>	<u>23.30</u>
P12	12	<u>4.20</u>	<u>6.00</u>	<u>6.00</u>	<u>7.80</u>	<u>7.80</u>	<u>9.50</u>	<u>11.30</u>	<u>13.10</u>	<u>14.90</u>	<u>16.70</u>	<u>20.20</u>	<u>23.80</u>	<u>27.30</u>	<u>30.90</u>
P14	14	<u>4.90</u>	<u>7.20</u>	<u>7.20</u>	<u>9.60</u>	<u>9.60</u>	<u>11.90</u>	<u>14.20</u>	<u>16.50</u>	<u>18.90</u>	<u>21.20</u>	<u>25.80</u>	<u>30.50</u>	<u>35.10</u>	<u>39.80</u>
P16	16	<u>5.70</u>	<u>8.70</u>	<u>8.70</u>	<u>11.60</u>	<u>11.60</u>	<u>14.60</u>	<u>17.60</u>	<u>20.50</u>	<u>23.50</u>	<u>26.50</u>	<u>32.40</u>	<u>38.30</u>	<u>44.30</u>	<u>50.20</u>
P18	18	<u>6.60</u>	<u>10.30</u>	<u>14.00</u>	<u>14.00</u>	<u>14.00</u>	<u>17.70</u>	<u>21.40</u>	<u>25.10</u>	<u>28.80</u>	<u>32.50</u>	<u>39.80</u>	<u>47.20</u>	<u>54.60</u>	<u>62.00</u>
P20	20	-----	<u>12.30</u>	<u>12.30</u>	<u>16.80</u>	<u>16.80</u>	<u>21.40</u>	<u>25.90</u>	<u>30.50</u>	<u>35.00</u>	<u>39.60</u>	<u>48.70</u>	<u>58.00</u>	<u>67.00</u>	<u>76.00</u>
P22	22	-----	-----	-----	<u>20.10</u>	<u>20.10</u>	<u>25.60</u>	<u>31.10</u>	<u>36.70</u>	<u>42.20</u>	<u>47.70</u>	<u>59.00</u>	<u>70.00</u>	<u>81.00</u>	<u>92.00</u>
P24	24	-----	-----	-----	<u>24.00</u>	<u>24.00</u>	<u>30.60</u>	<u>37.30</u>	<u>44.00</u>	<u>51.00</u>	<u>59.00</u>	<u>71.00</u>	<u>85.00</u>	<u>99.00</u>	<u>113.00</u>

PIKE'S OIL STONES AND SLIPS

ARKANSAS SOFT NO. 1 QUALITY



Used extensively by sheep shearers.

Nos.	396	398
Length, in.	5½ to 6	7½ to 8
Width, in.	2	2
Thickness, in.	¾ to 1	¾ to 1
W't, doz., about, lbs.	13	18
Per dozen	\$32.00	52.00

ONE IN AN INDIVIDUAL BOX

ARKANSAS SOFT NO. 2 QUALITY

Used extensively by sheep shearers.

Nos.	496	498
Length, in.	5½ to 6	7½ to 8
Width, in.	2	2
Thickness, in.	¾ to 1	¾ to 1
W't, doz., about, lbs.	12	16
Per dozen	\$18.00	25.60

PACKED IN PAPER AND PACKED IN BULK

LILY WHITE WASHITA

Nos.	386	387	388
Length, in.	5½ to 6½	6½ to 7½	7½ to 8
Width, in.	2	2	2
Thickness, in.	¾ to 1	¾ to 1	¾ to 1
W't, doz., about, lbs.	11	12½	14
Per dozen	\$12.00	13.60	20.00

ONE IN AN INDIVIDUAL BOX

Hindostan, although usually called an oil stone, can be used with water with equally good results. It is a very fine grained sand stone and is undoubtedly the best low priced sharpening stone for mechanics' tools.

The Arkansas oil stone is found in two grades, known as hard and soft. The hard grade is especially adapted to sharpening highly tempered tools, retaining very keen, smooth edges, also grained tools, such as are used by engravers, watchmakers, die-sinkers, wood and ivory carvers, surgeons, etc. The soft Arkansas is better adapted to sharpening machinists, cutters and others who require a stone for putting a fine finishing edge.

The Washita stone is more generally used by carpenters and joiners than any other. This stone is obtained in several grades, of which the Lily White brand is conceded to be the best general purpose stone yet discovered, it being capable of cutting metal very rapidly and leaving a fine, smooth finishing edge.

WASHITA NO. 1 QUALITY



Nos.	276	277	278
Length, in.	5½ to 6½	6½ to 7½	7½ to 8½
Width, in.	2	2	2
Thickness, in.	¾ to 1	¾ to 1	¾ to 1
W't, doz., about, lbs.	11½	13	14
Per dozen	\$7.20	8.80	12.00

PACKED IN INDIVIDUAL FOLDING CARTONS

QUEER CREEK

Nos.	165	166	167
Length, in.	5	6	7
Width, in.	2	2	2
Thickness, in.	¾ to 1	¾ to 1	¾ to 1
W't, doz., about, lbs.	9	10	10½
Per dozen	\$2.70	3.70	4.80

PACKED IN INDIVIDUAL FOLDING CARTONS

HINDOSTAN ASSORTED

No. 57—Blue small, assorted 7x2½ to 1 in., w't 1 lb.	per pound \$0.25
No. 58—Blue regular, assorted 8x2x1 to 1½ in., w't from ¾ to 1½ lbs., per pound	\$0.20

PACKED IN BULK

MOUNTED OIL STONES



No. 907—Arkansas, soft, 7x2 in., mahogany box, w't per doz. 18 lbs., per dozen	\$32.00
No. 716—Washita, 6x1½ in., polished hardwood box, w't per doz. 14 lbs.	\$11.20
No. 717—Washita, 7x2 in., polished hardwood box, w't per doz. 16 lbs.	\$14.40
No. 725—Cruso, Queer Creek, 5x2 in., polished hardwood box, w't per doz. 14 lbs.	\$3.80
No. 727—Cruso, Queer Creek, 7x2 in., polished hardwood box, w't per doz. 16½ lbs.	\$6.00
No. 805—Two Bits, 5x1½x1 in., polished hardwood box, especially adapted for the household, w't per doz. 11½ lbs.	\$3.40

ONE IN A BOX

BEVELED OIL SLIPS



ARKANSAS ROUND EDGE HARD No. 1 QUALITY

Nos.	93	94
Length, in.	2½ to 3½	3½ to 4½
Width, in.	1½ to 2	1½ to 2
Thickness, in.	¾ to 1	¾ to 1
W't, doz., about, lbs.	2½	3
Per dozen	\$18.00	24.00

ONE IN A BOX

ARKANSAS ROUND EDGE SOFT No. 1 QUALITY

Nos.	593	594
Length, in.	2½ to 3½	3½ to 4½
Width, in.	1½ to 2	1½ to 2
Thickness, in.	¾ to 1	¾ to 1
W't, doz., about, lbs.	3	3½
Per dozen	\$6.40	9.60

ONE IN AN INDIVIDUAL BOX

No. 184—Lily White Round Edge 3½ to 4½ in. long x 1½ to 2 in. wide x ¾ to 1 in. thick, w't per doz. about 3½ lbs., per dozen	\$4.80
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ONE DOZEN IN A PASTEBOARD BOX

WASHITA ROUND EDGE, No. 1 QUALITY

Nos.	174	175
Length, in.	3½ to 4½	4½ to 5½
Width, in.	1½ to 2	1½ to 2
Thickness, in.	¾ to 1	¾ to 1
W't, doz., about, lbs.	3	3½
Per dozen	\$3.20	4.80

ONE DOZEN IN A PASTEBOARD BOX

AXE STONES



No. 153—Hindostan, small, assorted 3x2½ to 1 in., w't ½ to 1 lb., per pound	\$0.20
No. 254—Hindostan, large, assorted 4x2½ to 1½ in., w't 1 to 1½ lb., per pound	\$0.20

INDIA POCKET KNIFE STONES



One of the best all around sharpeners for all sorts of small tools around the home, office and workshop. It is made of selected material and gives a sharp, keen edge.

No. 293— $3\frac{1}{2}$ in. long \times 1 in. wide \times $\frac{1}{8}$ in. thick, w't per doz. about 2 $\frac{1}{2}$ lbs., per dozen\$3.20

PACKED IN NATURAL WOOD DISPLAY STANDS CONTAINING ONE DOZEN STANDS

INDIA "KANT-BREAK" KNIFE SHARPENERS



These "Stone Steels" are made of the most satisfactory abrasion known—India Corundum—a substance in hardness about that of a diamond. It is crushed into small grains, bound together under heavy pressure and hardened by heat. There is a strong reinforcing rod running the entire length of the steel as well as rubber tips at both ends and a rubber ring upon the handle. All serving to make the hone strong and less liable to break. We cannot too highly recommend these hones to the man who wants a very rapid cutting, durable sharpener.

No. 10—"Kant Break" w't per doz. 8 lbs.per dozen \$9.60

A STRONG, NEAT COUNTER DISPLAY STAND PACKED WITH EVERY DOZEN SHARPENERS

SAND STONES



No. 38—Shoemakers' about $8 \times 1\frac{1}{2} \times 1\frac{1}{2}$ in., w't about $1\frac{1}{2}$ lbs., per pound\$0.15
LOOSE



No. 32—Kitchen, $8 \times 1\frac{1}{2} \times 1\frac{1}{2}$ in., neat wood box, w't per doz. 30 lbs., per dozen\$3.40
ONE DOZEN IN A BOX

INDIA OIL SLIPS



No. 44—Slip, $4\frac{1}{2}$ in. long \times $1\frac{1}{2} \times \frac{1}{2}$ in., w't per doz. about 2 $\frac{1}{2}$ lbs., per dozen\$10.40
ONE DOZEN IN A BOX

INDIA OIL STONES



India oil stone has been on the market but a few years, yet its reputation has become world-wide. For rapid cutting it has no equal and it leaves remarkably smooth, lasting edge on the tool. It is made in coarse and medium grits. The coarse grit is used only where very rapid work is desired, the medium grit being used mostly by carpenters, joiners and others wanting a stone for general use.

The India is also made with the coarse grit on one side and medium on the other. This stone is very popular as it saves many the necessity of buying two stones.

FINE

Nos.	67	268
Length, in.	7	6
Width, in.	2	1 $\frac{1}{2}$
Thickness, in.	1	$\frac{3}{8}$
W't, doz., about, lbs.	17	8 $\frac{1}{2}$
Per dozen	\$20.00	16.00

MEDIUM

Nos.	14	34
Length, in.	4	4 $\frac{1}{2}$
Width, in.	1	1 $\frac{1}{2}$
Thickness, in.	$\frac{3}{8}$	$\frac{1}{2}$
W't doz., about, lbs.	2 $\frac{1}{2}$	5 $\frac{1}{2}$
Per dozen	\$9.60	12.00

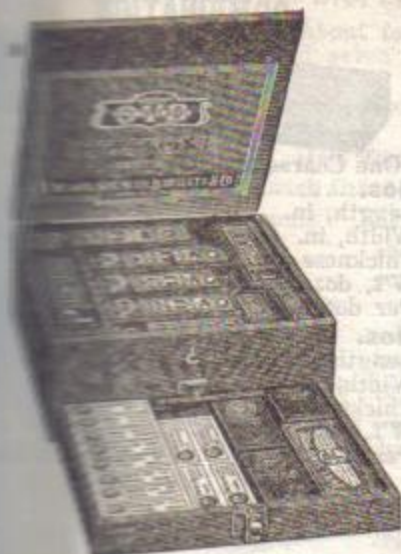
Nos.	16	17	18
Length, in.	6	7	8
Width, in.	2	2	2
Thickness, in.	1	1	1
W't, doz., about, lbs.	13 $\frac{1}{2}$	17	19
Per dozen	\$18.40	20.00	24.00

COMBINATION

One Coarse Side and One Fine Side			
Nos.	194	96	86
Length, in.	4½	6	6
Width, in.	1½	1½	2
Thickness, in.	¾	¾	1
W't, doz., about, lbs.	5½	9½	14

Nos.	87	88
Length, in.	7	8
Width, in.	2	2
Thickness, in.	1	1
W't, doz., about, lbs.	16	18
Per dozen	\$28.00	32.00
Per dozen	\$16.00	23.60

OIL STONE ASSORTMENT



Oil Stone Assortment, containing 23 oil stones, as follows, put up in a handsome display case complete for shipment 30 lbs., per asst. \$30.00

Oil Stone Soft		
Arkansas	2.00	2.00
Oil Stone Soft		
Arkansas	3.25	3.25
Oil Stone Lily		
White Washita	.75	1.50
Oil Stone Lily		
White Washita	.85	1.70
Oil Stone Lily		
White Washita	1.25	2.50
Oil Stone Mounted		
Washita	.70	.70
Oil Stone Mounted		
Washita	.80	.80
Oil Stone Hard		
Arkansas Slips	1.00	1.00
Oil Stone Hard		
Arkansas Slips	1.50	1.50
Oil Stone Combination		
India	1.00	1.00
Oil Stone Medium India		
Slips	.65	.65
Oil Stone Medium India		
Slips	.20	1.20
Oil Stone Fine		
Slips	1.50	1.50
		\$21.60

EMERY OIL STONES



Emery's. One Side Coarse, One Fine
Made of emery and silicates, for use
on all oils.

	126	127	128
Length, in.	6	7	8
Width, in.	2	2	2
Thickness, in.	1	1	1
Wt. per doz., lbs.	10	11	12
Per dozen	\$6.80	8.70	9.60
HALF DOZEN IN A BOX			

RUBY OIL STONES



"CRUSO"

Finest Ruby Corundum, One Coarse
Side and One Fine Side.

Made of ground corundum, held together by special bond. One side is coarse for quick cutting on a very dull tool and the opposite side is very fine for finishing. Not affected by moisture. The bond is of such a peculiarly tough nature that the stone is not easily broken. It may be dropped from quite a height without damage. This does away with the necessity of having each mounted in a wooden case.

Nos.	224	226	227
Length, in.	4	6	7
Width, in.	1 1/2	2	2
Thickness, in.	1/2	1	1
W't, doz., lbs.	5 1/2	15	16
Per dozen	\$3.00	5.10	6.50

Nos.	227	228
Length, in.	7	8
Width, in.	2 1/2	2
Thickness, in.	1	1
W't per doz., lbs.	20	19
Per dozen	\$7.20	7.20

IN HANDSOME PASTEBOARD CASE
HALF DOZEN IN A BOX

RUBY OIL SLIPS



"CRUSO"

Finest Ruby Corundum, 4x2 1/2x1/2

No. 334—Coarse, w't per doz. 2 lbs.,
per dozen\$3.00

No. 2334—Fine, w't per doz. 2 1/2 lbs.,
per dozen\$3.00

HALF DOZEN IN A BOX

RUBY KNIFE STONES



"CRUSO"

Pocket, Finest Ruby Corundum.

No. 403—3 1/2x1 1/2x1/2 in., in leatherette
case, w't per doz. 1 1/2 lbs.,
per dozen\$2.00

ONE DOZEN IN A WOOD DISPLAY CASE

CARBORUNDUM RUBBING BRICKS



For Dressing or Scouring.

Suitable for dressing granite and marble, or scouring castings, chilled iron and steel. Made in any grit, 20 (coarse) to FF (fine). State grit wanted or for what purpose.

Nos.	P206	P207	P211	P212
Length, in.	8	8	8	8
Width, in.	3	3	2	2
Thickness, in.	2	3	2	1
W't, doz., lbs.	47	70	32	16
Per dozen	\$36.50	57.60	27.85	15.35

Nos.	P213	P205	P214
Length, in.	6	6	6
Width, in.	3	3	2
Thickness, in.	3	2	2
W't, doz., lbs.	45	35	19
Per dozen	\$43.20	30.70	22.10

Nos.	P215	P221	P228
Length, in.	6	4	4
Width, in.	2	3	3
Thickness, in.	1	3	2
W't, doz., lbs.	12	35	25
Per dozen	\$11.50	30.70	22.10

ONE IN A CARTON



For Concrete.

The carborundum rubbing brick is the fastest cutting medium known for removing form marks and for dressing down concrete work. Brick is fluted on two sides, so as to give a shear cut.

All made by vitrified process and can be used dry, or with water or oil.

Absolutely guaranteed.

Nos.	P286	P285	P284
Length, in.	6	8	8
Width, in.	2	2	3
Thickness, in.	2	2	3
W't, doz., lbs.	22	32	70
Per dozen	\$22.10	27.85	57.60

ONE IN A CARTON

CARBORUNDUM STONES



For Truing and Dressing Emery
Wheels.

Especially adapted for shaping, truing and dressing gummars.

No. P212C—8x2x1 in., w't per doz.
16 lbs.per dozen \$15.35

ONE IN A CARTON

CARBORUNDUM STONES

Every Stone is Guaranteed to be Perfect, Can be Used with Oil, Water or Dry.

POCKET HONES

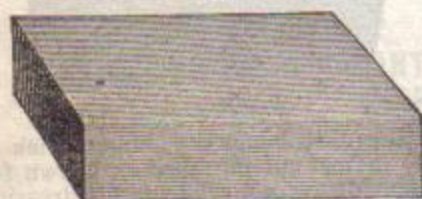
No. 150—Fine,
Round, 2 in.
diam., $\frac{1}{2}$ in.
thick, w't per
doz. 14 oz.,
per doz. \$3.00

ONE IN A BOX



Made of finest carborundum powder,
suitable for sharpening pocket knives,
ink scratchers, scissors and small
tools. Smooth, fast cutting. Stone is
put up in a neat buff colored carton.
No. 149C—Two doz. stones $3\frac{1}{2} \times \frac{1}{2}$ in.,
mounted in a 10x12 in. attractive
display box with easel back,
per carton \$4.80

AXE



Medium Grit.

Nos.	193	194	195
Length, in.	2 $\frac{1}{2}$	3	2 $\frac{1}{2}$
Width, in.	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$
Thickness, in.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
W't, doz., lbs.	1 $\frac{1}{2}$	2 $\frac{1}{2}$	3
Per dozen	\$4.20	5.40	5.40

ONE IN A BOX

ROUND COMBINATION AXE



One Coarse Side and One Fine Side.
No. 196—3 $\frac{1}{2}$ in., w't per doz. 4 lbs.,
per dozen \$7.20

ONE IN A BOX

ROUND COMBINATION BENCH



One Side Coarse, Other Very Fine.
Sharpening area contains 12 sq. in.
No. 107—4x1 in., w't per doz. 10 $\frac{1}{2}$ lbs.,
per dozen \$15.00

ONE IN A BOX

CARBORUNDUM HOUSEHOLD STONES



Mounted on
Wood Base
No. 330—6x2 in., w't per doz. 9 lbs.,
per dozen \$5.40

THREE DOZEN IN A BOX

SLIP



Nos.	174	177	180	183
Length, in.	6	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$
Width, in.	2 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$
Thick., in.	to $\frac{1}{16}$	to $\frac{1}{16}$	to $\frac{1}{16}$	to $\frac{1}{16}$
W't, doz., lbs.	8	1 $\frac{1}{2}$	4 $\frac{1}{2}$	2 $\frac{1}{2}$
Per dozen	\$13.80	7.80	10.80	7.80

Medium Grit.

Nos.	175	178	181	184
Length, in.	6	4 $\frac{1}{2}$	4 $\frac{1}{2}$	4 $\frac{1}{2}$
Width, in.	2 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$
Thick., in.	to $\frac{1}{16}$	to $\frac{1}{16}$	to $\frac{1}{16}$	to $\frac{1}{16}$
W't, doz., lbs.	8	1 $\frac{1}{2}$	4 $\frac{1}{2}$	2 $\frac{1}{2}$
Per dozen	\$13.80	7.80	10.80	7.80

ONE IN A BOX

CARBORUNDUM STONES



Extra hard, fine stones, especially
adapted for manual training schools,
cabinet makers and wood carvers.
Made for all tools that require an
extra fine, delicate edge. Made in
six sizes.

Nos.	156	157	158	159
Length, in.	8	8	6	6
Width, in.	2	2	2	2
Thickness, in.	1	$\frac{3}{4}$	1	$\frac{3}{4}$
W't, doz., lbs.	16 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$	6 $\frac{1}{2}$
Per dozen	\$21.00	18.00	15.00	12.00

SLIP

Nos.	154	155
Length, in.	4 $\frac{1}{2}$	4 $\frac{1}{2}$
Width, in.	2 $\frac{1}{2}$	1 $\frac{1}{2}$
Thickness, in.	to $\frac{1}{16}$	to $\frac{1}{16}$
W't per doz., lbs.	5	5
Per dozen	\$12.00	9.00

ONE IN A BOX

COMBINATION



Nos.	328	108
Length, in.	8	8
Width, in.	3	2
Thickness, in.	1	1
W't, doz., lbs.	18	13 $\frac{1}{2}$
Per dozen	\$27.00	21.00

Nos.	109	111
Length, in.	6	5
Width, in.	2	2
Thickness, in.	1	$\frac{3}{4}$
W't, doz., lbs.	10 $\frac{1}{2}$	6
Per dozen	\$15.00	12.00

ONE IN A BOX

BENCH



Fine Grit.

Nos.	115	118	121	124
Length, in.	8	8	6	6
Width, in.	2	2	2	2
Thickness, in.	1	$\frac{3}{4}$	1	$\frac{3}{4}$
W't doz., lbs.	16 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$	6 $\frac{1}{2}$
Per dozen	\$18.00	16.20	13.80	10.80

Nos.	130	133	136	140
Length, in.	6	7	5	4
Width, in.	1 $\frac{1}{2}$	2	2	1 $\frac{1}{2}$
Thickness, in.	$\frac{3}{4}$	1	$\frac{5}{8}$	$\frac{3}{8}$
W't, doz., lbs.	4 $\frac{1}{2}$	13	8	5
Per dozen	\$8.40	15.00	9.00	7.20

Medium Grit.

Nos.	116	119	122	125
Length, in.	8	8	6	6
Width, in.	2	2	2	2
Thickness, in.	1	$\frac{3}{4}$	1	$\frac{3}{4}$
W't doz., lbs.	13 $\frac{1}{2}$	10 $\frac{1}{2}$	10 $\frac{1}{2}$	6 $\frac{1}{2}$
Per dozen	\$18.00	16.20	13.80	10.80

ONE IN A BOX

MACHINISTS' SPECIAL



Designed for machinists' use.
4x1 $\frac{1}{2}$ in., w't per doz. 1 $\frac{1}{2}$ lbs.

Nos.	292—Fine Grit,
per dozen	\$6.00

Nos.	292M—Medium Grit,
per dozen	\$6.00

ONE IN A BOX

CARBORUNDUM STONES

CARBORUNDUM DISPLAY CASES

About fourteen inches square and seven inches high. Natural wood colors, is strong, durable and practical as a stock keeper.

Has four spacious drawers, each fitted with a strong drawer pull. Each drawer is large enough to hold a good supply.

The lift-top cover is lowered and fits tightly to the body of the case, making the interior dust-proof. This case is given absolutely free to any dealer purchasing any one of the following assortments:



Assortment—Containing 26 carborundum stones, and retail value \$24.00, w't per assortment 20 lbs., per assortment\$24.00

	Retail Value.
Round Combination Stone	\$1.25
Combination Stones	3.50
Combination Stones	2.50
Combination Stone	1.00
Combination Stone .....	.85
Sharpening Stones, Fine	2.30
Sharpening Stone, Fine	1.25
Sharpening Stones, Fine	3.60
Sharpening Stones, Fine	1.50
Flip Stones, Fine	1.80
Flip Stone, Medium .....	.90
Flip Stones, Fine	1.30
Flip Stone, Medium .....	.65
Aze Stones .....	.70
Aze Stones .....	.90
Total retail value	\$24.00

CARBORUNDUM OIL STONE BOXES



Varnished Wood

	P49	P50	P51
.....	6x2x1	7x2x1	8x2x1
.....	3	4	4½
.....	\$4.80	5.40	6.00



Iron, Painted Black.

	P52	P53	P54
.....	6x2x1	7x2x1	8x2x1
.....	28	33	35
.....	\$10.20	12.00	13.80

LOOSE

CARBORUNDUM GRAINS AND POWDERS



The carborundum grains and powders are produced by crushing the crude carborundum crystal masses.

The grains are subjected to an acid treatment, then graded into the different grits by a sieving process.

The grains too small to grade by sieving are graduated in running water, the finest grains being those which float longest.

Prices on Application

Following carried in stock:

No. 80—80 grain, 1 lb. cans	per lb.	\$0.40
No. 80—80 grain, 5 lb. cans	per lb.	.40
No. 120—120 grain, 1 lb. cans	per lb.	.40
No. 120—120 grain, 5 lb. cans	per lb.	.30
No. 2F—2F powder, 1 lb. cans	per lb.	.40
No. 2F—2F powder, 5 lb. cans	per lb.	.30

GRAIN

		1 lb.	5 lb.	10 lb.	50 lb.	100lb.	150lb.	300lb.
		Cans	Cans	Bags	Drums	Kegs	Kegs	Kegs
Nos.	Grain	Per	Per	Per	Per	Per	Per	Per
No.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.
P24	24	\$0.40	.30	.25	.22½	.21½	.20½	.20
P30	30	.40	.30	.25	.22½	.21½	.20½	.20
P36	36	.40	.30	.25	.22½	.21½	.20½	.20
P40	40	.40	.30	.25	.22½	.21½	.20½	.20
P50	50	.40	.30	.25	.22½	.21½	.20½	.20
P60	60	.40	.30	.25	.22½	.21½	.20½	.20
P70	70	.40	.30	.25	.22½	.21½	.20½	.20
P80	80	...	...	.25	.22½	.21½	.20½	.20
P90	90	.40	.30	.25	.22½	.21½	.20½	.20
P100	100	.40	.30	.25	.22½	.21½	.20½	.20
P120	120	...	...	.25	.22½	.21½	.20½	.20
P2F	F	.40	.30	.25	.22½	.21½	.20½	.20
P2F	FF	...	...	.25	.22½	.21½	.20½	.20
P1F	F	\$0.40	.30	.25	.22½	.21½	.20½	.20
P2F	FF	...	...	.25	.22½	.21½	.20½	.20
P3F	FFF	.40	.30	.25	.22½	.21½	.20½	.20

POWDER

		1 lb.	5 lb.	10 lb.	50 lb.	100lb.	150lb.	300lb.
		Cans	Cans	Bags	Drums	Kegs	Kegs	Kegs
Nos.	Powder	Per	Per	Per	Per	Per	Per	Per
No.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.	Lb.
P1F	F	\$0.40	.30	.25	.22½	.21½	.20½	.20
P2F	FF	...	...	.25	.22½	.21½	.20½	.20
P3F	FFF	.40	.30	.25	.22½	.21½	.20½	.20
		.50	.40	.35	.30	.30	.25	.25

CARBORUNDUM STONES
NO. 7 DISPLAY CASE



We will furnish FREE, the above illustrated display case, providing the dealer will purchase from us the stones displayed in case, and a selling stock of stones, at a total investment of \$6170, list price.

With this proposition the dealer is assured of three things—first, of a wide margin of profit. Second a quick selling stock of Carborundum Sharpening Stones, made of Carborundum, the hardest, sharpest, quickest cutting abrasive known, and third, of a very attractive display case of such finish and workmanship as to be quite in keeping with the furnishings of any first class hardware store.

The case is 24 inches high, 18 inches wide and 12 inches deep, made of the best grade golden finish quartered oak. The door and heavy glass-covered display panel showing an assortment of carborundum stones are in one. The stones are attractively arranged on dark cloth-covered panel, with number and selling price of stones stamped on each stone. Stones are easily removable. Back of the door are four spacious compartments for carrying stone assortment. The stock is accessible from the front of the case, making it very convenient.

This is a splendid, attractive case especially designed for the window or counter display.

The following stones are displayed on the panel of the show case. They are rapid sellers and known to the trade.

	Retail Value.
1 103C Razor Hone	\$1.15
1 200C Aloxite Razor Hone	1.00
1 109C Combination Stone	1.25
1 111C Combination Stone	1.00
1 112C Combination Stone .....	.85
1 118C Sharpening Stone, Fine	1.35
1 124C Sharpening Stone, Fine .....	.90
1 142C Sharpening Stone, Fine .....	.65
1 145C Sharpening Stone, Fine .....	.45
1 149C Pocket Stone, Fine .....	.20
1 183C Slip Stone, Fine .....	.65
1 184C Slip Stone, Medium .....	.65
1 194C Axe Stone .....	.45
1 292C Machinist's Stone, Fine .....	.55
2 4x½ Round Sticks .....	.70
2 4x½ Square Sticks .....	.50
2 4x½ Triangular Sticks .....	.65
Total	\$14.80

The following list, based upon our experience, is suggested for a sample stock of sharpening stones. This, however, must be considered only as a suggestion, as we deem every dealer to order what he considers best for his trade.

	Retail Value.
2 200C Aloxite Razor Hones	\$1.00
2 103C Razor Hones	1.15
2 102C Razor Hones .....	.75
1 101CA Razor Hone	1.35
2 107C Rond Combination Stones	1.25
1 108C Combination Stone	1.75
2 109C Combination Stones	1.25
2 110C Combination Stones	1.50
2 111C Combination Stones	1.00
2 112C Combination Stones .....	.85
2 115C Sharpening Stones, Fine	1.50
1 116C Sharpening Stone, Medium	1.50
2 118C Sharpening Stones, Fine	1.35
1 119C Sharpening Stone, Medium	1.35
2 121C Sharpening Stones, Fine	1.15
1 122C Sharpening Stone, Medium	1.15
3 124C Sharpening Stones, Fine .....	.90
2 125C Sharpening Stones, Medium .....	.90
2 142C Sharpening Stones, Fine .....	.65
1 143C Sharpening Stone, Medium .....	.65
2 145C Sharpening Stones, Fine .....	.45
1 180C Slip Stone, Fine .....	.90
1 181C Slip Stone, Medium .....	.90
2 183C Slip Stones, Fine .....	.65
2 184C Slip Stones, Medium .....	.65
2 194C Axe Stones .....	.45
3 292C Machinist's Stones, Fine .....	.55
Total	\$41.00
No. P7—Display case complete with stock, w't 100 lbs per case	\$20.70

ALL STONES GUARANTEED

We Guarantee All Stones in the Display and Stock, and Will Refund Full Price Paid for Any Stone Not Giving Satisfaction to Your Customer.

★ Items Marked Thus ★ Are Shipped From Factory Only.

CARBORUNDUM FILE



A handy tool for the farmer, gardener or householder. It has a four-sided, tapered shaft of Carborundum that cuts sharp and free. Use it for mower sections, lawn mower knives, for practically any edge, farm or garden tool. Just the right handy size and made in the right grit to give best results.

A wonderfully useful tool. Its chief use is the sharpening of knives of the mower sections, but it can be used in setting an edge on almost any farm or garden tool, sickles, axes, spades, scythes, lawn mower knives, etc.

No. 12—12 in. long, wood handle, w't per doz. 15 lbs.,
LOOSE\$12.00

SCYTHE STONE ASSORTMENTS



An assortment of scythe stones attractively displayed in a beautiful box, that looks well on a counter, with a quantity of scythe stone circulars for free distribution, showing the merits of the various kinds of stone, and with each stone plainly marked with the selling price.

This box contains seven varieties of our best selling stones, thus enabling the merchant to offer to his customer, in a well displayed compact form, a large assortment. Every stone is labeled with the retailing price.

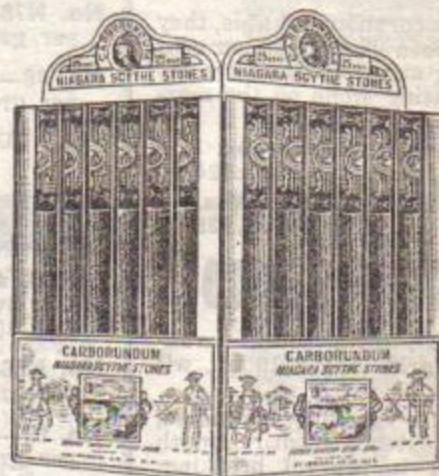
Assortment—Consisting of 80 scythes arranged in a finished 12x11½x10½ in. case, weighing for shipment 80 lbs., per assortment \$11.35

Assortment No. 1	each	\$0.10	1.80
Assortment No. 2	each	.15	1.80
Assortment No. 3	each	.15	1.80
Assortment No. 4	each	.15	.90
Assortment No. 5	each	.20	2.40
Assortment No. 6	each	.20	2.40
Assortment No. 7	each	.20	1.60

Total\$12.70

CARBORUNDUM ALOXITE SCYTHE STONES

Aloxite Scythe Stones are made of carborundum aloxite, the hardest and sharpest known abrasive material. The sharpness gives an exceeding rapid cutting quality, and the hardness imparts durability unequalled by any abrasive.



This display box is made of card-board reinforced with wood, and covered with a buff glazed coated paper.

Three sizes are put up in this way; one dozen No. 190C, 10 inches in length, one dozen No. 191C, 12 inches in length, and one dozen No. 192C, heavy, 10 inches in length.

The box is hinged at the center and when folded back for display, is very substantial and makes an exceedingly attractive appearance.

No. 190C—Length 10 in., w't per gro. 72 lbs.,
per gross\$43.20

No. 191C—Length 12 in., w't per gro. 120 lbs.,
per gross\$50.40

No. 192C—Length 10 in., heavy, w't per gro. 108 lbs.,
per gross\$50.40

ONE DOZEN IN A CARTON

SHIPPING FACILITIES

With our immense stock and very modern facilities for shipments we are enabled to fill orders with unequalled promptness. On some of the roads we have special through cars which enable us to reach distant points 24 hours ahead of shipments made in the regular way.

SCYTHE STONES



REVONOC—Oval, terra cotta, corundum, length 10 in., fine, w't per gro. 95 lbs.

Made of pure corundum, that is, they represent between 95 and 100 per cent of pure cutting material, therefore are the fastest cutting stone on the market.

No. N80—Full quarter gross box, per gross\$24.00

No. 80—Less than quarter gross, per gross\$25.00



REVONOC—Oval, terra cotta, corundum, medium grit, length 10 in., w't per gro. 96 lbs.

Made of pure ground corundum, with steel rod extending entire length through center to prevent breaking.

No. N95—Full quarter gross box, per gross\$22.50

No. 95—Less than quarter gross, per gross\$23.50
QUARTER GROSS IN A BOX



Cruso, very coarse, rapid cutting, western grindstone grit with flat face and square edges, with red ends, w't per gross 120 lbs. Give a very coarse edge.

No. N65—Full quarter gross box, per gross\$23.50

No. 65—Less than quarter gross, per gross\$24.50
QUARTER GROSS IN A BOX



White Mountain, oval, square edges, best New Hampshire grit, medium fine, length 10 in., w't per gro. 120 lbs.

No. N72—Full quarter gross box, per gross\$30.00

No. 72—Less than quarter gross, per gross\$31.00
EACH IN AN INDIVIDUAL CARTON
QUARTER GROSS IN A BOX



Crescent, oval, coarse, grindstone grit, length 10 in., w't per gro. 120 lbs.

No. N62—Full quarter gross box, per gross\$24.00

No. 62—Less than quarter gross, per gross\$25.00
This stone gives a quick, coarse edge.

SCYTHE STONES



Black Diamond, flat octagon, best Vermont grit, very fine, length 10 in., w't per gro. 105 lbs.

No. N78—Full quarter gross box, per gross\$31.50

No. 78—Less than quarter gross, per gross\$32.50

QUARTER GROSS IN A BOX



Pike's Genuine Indian Pond, No. 1, oval, red end, very sharp grit, length 10 in., w't per gro. 108 lbs.

No. N66—Full quarter gross box, per gross\$21.60

No. 66—Less than quarter gross, per gross\$22.60

QUARTER GROSS IN A BOX



Willoughby Lake, round oval, bluish gray, fine sharp grit, length 10 in., w't per gro. 100 lbs.

No. N68—Full quarter gross box, per gross\$25.20

No. 68—Less than quarter gross, per gross\$26.20

QUARTER GROSS IN A BOX



Green Mountain, flat oval, Vermont grit, sharp, length 10 in., w't per gro. 100 lbs.

No. N64—Full quarter gross box, per gross\$20.00

No. 64—Less than quarter gross, per gross\$21.00

QUARTER GROSS IN A BOX



Lamoille, round oval, extra quality Vermont grit, very sharp, length 10 in., w't per gro. 108 lbs.

The Green Mountain and Lamoille are taken from the same quarry. The Lamoille is better finished and gives a finer edge.

No. N76—Full quarter gross box, per gross\$25.50

No. 76—Less than quarter gross, per gross\$26.50

QUARTER GROSS IN A BOX

EMERY GRINDER HEADS

Wheels Not Included.



No. N21—Intended for very light work, will carry two 6x1 in. wheels. Split cast iron bearings. Spindle 11 in. long, diam. in bearing $\frac{3}{4}$ in., diam. on end $\frac{3}{4}$ in., size of pulley $1\frac{1}{2}$ x1 in., distance between wheels 6 in., height to center of spindle 5 in., w't complete 15 lbs., each\$6.80

No. N22—Built with babbitted bearings and adjustable tool rests, will carry two 8x1 in. wheels, length of spindle 14 in., diam. in bearing $\frac{3}{4}$ in., diam. on end $\frac{3}{4}$ in., size of pulley 2x2 in., distance between wheels 8 in., height to center of spindle 6 in., w't complete 25 lbs.,each \$13.50



No. N23—Built with babbitted bearings with wick oiling arrangement as insurance against faulty lubrication, will carry two 10x1 in. wheels, length of spindle 18 in., diam. in bearings $1\frac{1}{16}$ in., diam. on end 1 in., size of pulley 2x2 in., distance between wheels 10 in., h't to center of spindle $7\frac{1}{2}$ in., w't complete 45 lbs.,each \$23.00



No. N24—Bearings are babbitted and fitted with wick oiling arrangement, 12x2 in. wheel, length of spindle 24 in., diam. of spindle in bearings $1\frac{1}{16}$ in., diam. between collars 1 in., size of pulley 4x3 in., distance between wheels 14 in., height to center of spindle 8 in., w't complete 75 lbs.,each \$40.00

POLISHING HEADS



Will run emery wheels, buffers, polishing wheels and small circular saws, also fitted with chuck for holding drills. We furnish head only as shown in illustration.

No. 10—6 in. high, for wheels not larger than 6x1 in., 9 in. spindle, $\frac{3}{4}$ in. diam. between flanges, one end 2 in. taper screw, other end fitted to hold emery wheel, etc., 2 speed pulleys for $\frac{1}{4}$ in. round belting, w't 3 $\frac{1}{2}$ lbs., each\$4.60

LOOSE

OVB TOOL GRINDERS

OVB NIAGARA GRINDERS

Equipped with Genuine Carborundum Wheels.



Best grade cast iron castings, malleable iron handle and clamp, spiral gear, enclosed casing, fitted with adjustable tool-grinding guide. Size center hole 1 in.

No. N1 OVB—Equipped with 4x1 in. carborundum wheel of fine grit, w't each 10 lbs.each \$7.50

No. N2 OVB—Equipped with 5x1 in. carborundum wheel of medium grit, w't each 12 lbs.each \$9.75

No. N3 OVB—Equipped with 6x1 in. carborundum wheel of medium grit, w't each 14 lbs.each \$12.35
ONE IN A BOX



No. N4 OVB—Best grade cast iron castings, malleable iron handle and clamp, spiral gear, enclosed casing, equipped with 7x1 1/2 carborundum wheel of medium grit, fitted with adjustable tool-grinding guide, size center hole 1 1/2 in., w't 26 lbs.,\$18.20
ONE IN A BOX

The construction of the **OVB Grinder** is mechanically correct. It is a smooth-running, high-speeded, fast-cutting and durable grinder. Each part is made of the material best adapted for the use of that part. As each machine is equipped with a genuine Carborundum wheel, only a slight pressure is needed in grinding. Carborundum is fast and cool cutting and will not burn nor draw the temper from any tool.

The **OVB Grinder** has spiral gears cut from tough, solid blocks of steel, exhibiting the most approved and mechanically correct construction for gearing. All bearings in this machine are made of steel on cast iron—the most lasting bearing known to mechanics. The gears are enclosed in a one-piece oil-tight cast-iron proof case of gray iron.

Both ends of all bearings run in the same casting, making it impossible for the bearing to get out of alignment.

An additional feature is the malleable iron back plate, clamp and clamp support. The back plate reinforces the supports and distributes equally the pressure of the thumb screw. Each **OVB Grinder** is absolutely guaranteed.

OVB TWIST DRILL ATTACHMENT



The attachment is mechanically simple and its cost is so low that every mechanic should have one.

No. P23 OVB—Attachment is built expressly for Nos. N3 and N4 **OVB Grinders**, enables a wide range of drills to be accurately pointed, w't 1 1/2 lbs.each \$4.55
ONE IN A BOX

GRINDER FOOT POWER ATTACHMENT



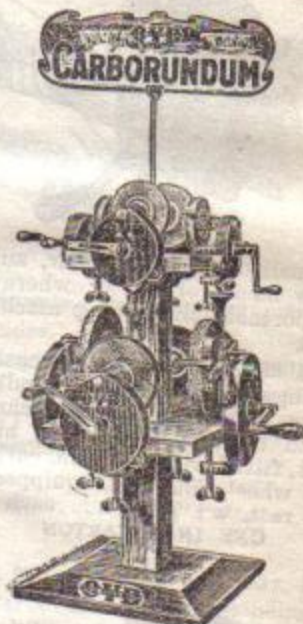
Illustration shows attachment fitted to **No. N4 OVB Grinder**.

Made of malleable iron, is strong and durable and readily adjusted to several heights.

No. 21—Attachment to fit **No. N4 OVB Grinders**, w't each 5 lbs., each\$3.90

No. 20—Attachment to fit **No. N3 OVB Grinder**, w't each 5 lbs., each\$3.90
ONE IN A BOX

OVB GRINDER DISPLAY STANDS



No. P31.

Genuine Oak, Golden Finish.

No. P31 OVB—Height 45 in., 15 in. square at base, one center shelf 12 in. square, one shelf at top 10 in. square, w't knocked down 36 lbs., shipped free of charge with an order for three each Nos. N1 and N2, two each Nos. N3 and N4 or their equivalent, ten machines.

No. P32 OVB—Height 32 in., 12 in. square at base, shelf 12 in. square, w't knocked down 19 lbs., shipped free of charge with an order for two each Nos. N1, N2 and N3 and one **No. N4 Grinder** or their equivalent, seven machines.

ONE IN A BOX

All goods branded **OVB** are guaranteed to be of highest quality material and workmanship and free from imperfections.

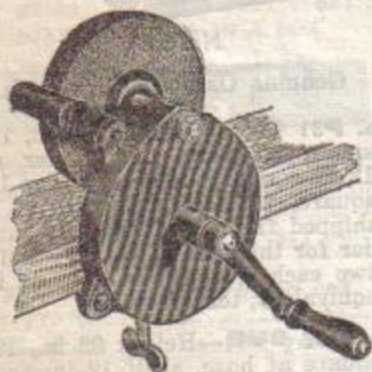
TOOL GRINDERS

REYONOC Tool Grinders are made in three sizes, designed to withstand constant and heavy work. The castings are of a good grade of gray iron. The gears are spiral machine cut, the pinions of steel, machine cut, surfaces between gear case and cover ground, making machine oil tight and dust-proof, the grinders are finished in black enamel and equipped with genuine Carborundum Wheels and practical tool rests.



A small, compact grinder, suitable for the home, office, or wherever a light, portable sharpening machine is wanted.

No. 44 REYONOC—High grade cast iron castings, malleable iron handle and clamp, spiral machine cut gears, enclosed casings dust proof and oil tight, fitted with 4x1 in. carborundum wheel, fine grit, equipped with tool rest, w't 7 lbs.each \$8.40
ONE IN A CARTON



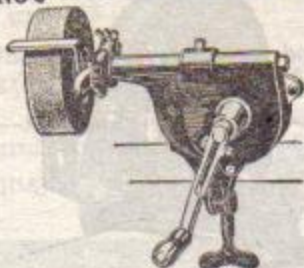
This size grinder is particularly adapted for Mechanics and Carpenters' Tool Chests.

No. 45 REYONOC—High grade cast iron castings, malleable iron handle and clamp, spiral machine cut gears, enclosed casings dust proof and oil tight. Fitted with 5x1 in. carborundum wheels, medium grit, 1 in. arbor hole, guide for chisels, scissors and plane bit, w't 10 lbs., each\$10.50
ONE IN A CARTON

A durable, quiet running and satisfactory grinder, combining many special features.

No. 46 REYONOC—Machine cut gears, high grade cast iron castings, malleable iron handle and clamp, enclosed castings, dust proof and oil tight, fitted with 6x1 in. wheels medium grit, 1 in. arbor hole, equipped with adjustable tool rest and guide for chisels, scissors and plane bit, w't 15 lbs.each \$13.30
ONE IN A BOX

REYONOC HOUSEHOLD GRINDERS



A very practical grinder for household and light use. Is equipped with a special combination knife and shear guide, so that anyone, however inexperienced, can successfully sharpen knives and shears.

Mechanical Construction

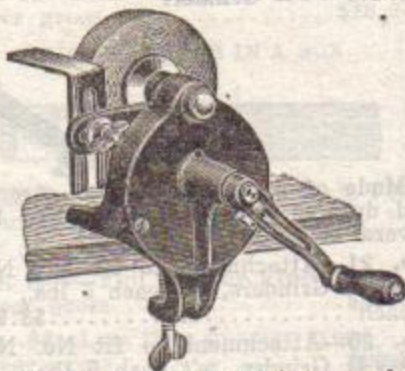
Machine cut gears, high grade cast iron castings, malleable iron handle and clamp, enclosed casings, dust proof and oil tight.

The Bearings are extra wide and heavy, so as to give ample oil-retaining surfaces and long life.

The Tool Guide is especially designed to give the proper bevel to knives and shears.

No. 33 REYONOC—Equipped with 3x3 in. carborundum wheel of very fine grit and combination knife and shear guide, w't packed for shipment 3 1/2 lbs.each \$3.30

CRUSO



Cruso steel cut gearings, enclosed and dust-proof, long and durable bearings.

Good competitive grinders—good value for the money; they are durable and efficient.

No. 14—Equipped with 4x3 in. medium grit Carborundum grinding wheel and tool rest, 1 in. arbor hole, w't 6 lbs.each \$6.30
ONE IN A CARTON

No. 15—Equipped with 5x1 in. medium grit Carborundum grinding wheel and tool rest, 1 in. arbor hole, w't 7 lbs.each \$7.70
ONE IN A CARTON

No. 16—Equipped with 6x1 in. medium grit Carborundum grinding wheel and tool rest, 1 in. arbor hole, w't 11 lbs.each \$10.50
ONE IN A CARTON

"BEST MAIDE"



This machine is built for hard service; every part of the wheel can be used in grinding. The worm gear is of iron and is cut from the solid blank on special designed machinery.

The swiveling device allows quick and accurate adjustment, horizontal or vertical, and holds the machine rigidly in any position.

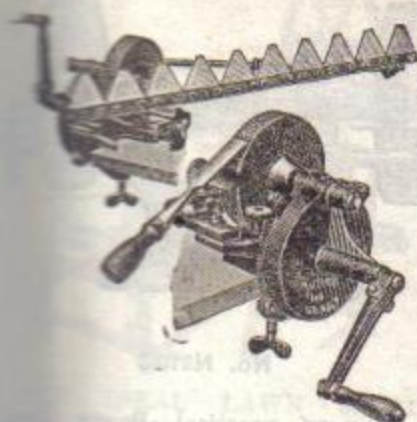
All gears and shafts are of extra large diameter, with great wearing and oil-retaining surfaces. The entire mechanism is inclosed in a dust-proof casing, strictly oil tight, and ball bearings take up all end thrust.

No. N51—"BEST MAIDE," baked japan finish, adjustable body so the wheel can be run either in the vertical or horizontal position, entirely enclosed cut worm gears, ball bearings making it quiet and easy running, fitted with adjustable tool rest. Equipped with a 5x1 1/2 in. Carborundum wheel of medium grit, face with very fine grit so that grinding and finishing can be done with the same wheel, 3/16 in. arbor hole, w't 11 lbs.each \$14.00

No. 510—Extra Wheels, for N51 Best Maide Grinder, w't each 2 lbs. each\$3.50

LOOSE

REYONOC TOOL AND SICKLE GRINDERS



A useful farm grinder for tool and sickle sharpening. Made especially to take care of all general grinding on a farm, such as axes, scythes, chisels, plane bits, sickles, etc. This machine can be quickly attached to a mower wheel or bench and is exceptionally efficient as a general all-around farm grinder.

Mechanical Construction

The Drive Gear is large and accurately machine cut.

The Pinions are cut from solid steel blanks, large in diameter, giving long life and preventing springing.

The One-Piece Case is rigid and contains all of the bearings in the one piece.

The Bearings are extra wide, heavy and chambered for oil; long life and smooth action without vibration are guaranteed.

The Tool Rest may be used either as a stand or hand rest.

The Sickle Holding Attachment can be used on either side of the wheel and affords the most modern method of sharpening any size or make of sickle. The sharpening is done on the flat side of the wheel. The edge of the wheel is used to sharpen clear down to the bar. Any bevel, long or short, can be given to the sections.

The Clamp is heavy. The supports extend hold the machine to the table or work apart, so that the machine can be clamped rigidly to a mower wheel or bench.

No. N182C—Equipped with 6x12 in. carborundum sharpening wheel of medium grit to take care of all kinds of general grinding, w't each 12 lbs.each \$12.60

ONE IN A BOX

SICKLE AND TOOL GRINDERS



No. N264C—Best Made, steel worm shaft, cut steel gear, large wearing surfaces, enclosed and dust-proof parts, grinding wheel all one grit, single grit sharpening wheel 4 1/2 x 12 in., also a beveled sickle sharpening wheel, shipping w't 18 lbs.each \$15.40

ONE IN A BOX

Our reputation founded on over sixty-seven years' business stands back of the **REYONOC** brand.

All goods branded **REYONOC** are guaranteed to be of highest quality material and workmanship and free from imperfections.

In selling **REYONOC** articles there is a profit for you and satisfaction to your customers.

REYONOC HAND TOOL AND SICKLE GRINDER



Simple, very compact, serviceable grinder. No oscillating parts or difficult adjustment. Grinding in full control of the operator, easy to sharpen every section, clamps to mower wheel or bench.

No. N75—Spartan cog gear, 4 1/2 x 12 in., Carborundum tool grinding wheel, and barrel shaped wheel for sickles, wide bearings, high speed, w't 17 lbs.each \$9.45

ONE IN A FIBRE CASE

SICKLE GRINDER



Very similar to the Spartan grinder. No. N182C—Equipped with one barrel-shaped carborundum wheel, compact, efficient, clamps anywhere, shipping w't 22 lbs.each \$8.00

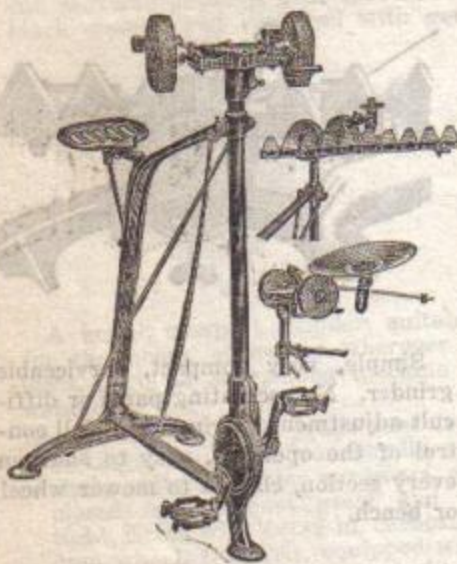
ONE IN A FIBRE CASE

EXTRA WHEELS

No. 1—Carborundum barrel shape, for No. N75 REYONOC sickle and No. N182C Grinders, w't 2 lbs.each \$3.60

LOOSE

FOOT POWER TOOL GRINDER



HUMMER

No. N271C—An unequalled foot-power grinder, all-metal frame, shaft drive, beveled gears, fully enclosed. The upper transmission is by ball bearings and a machine cut worm gear and shaft, both being extra heavy. The head containing the grinding wheel shaft may be turned to any desirable angle. Two foot-pedals, bicycle type, adjustable metal seat. Regular equipment consists of two work rests, which are adjustable, sickle and disc attachment and two Dimeo-Grit wheels one medium and one coarse, size 6x14x1. Height of machine over all 42 in., packed for shipment 75 lbs.,

each\$35.00

ONE IN A CRATE

Sickle and Disc Sharpening Attachment.

Order Separately If Wanted.

Grinding is done on the side face of either of the wheels, rest is adjustable to any angle and can be used on either side, will hold any disc from 14 to 28 in. in diameter, any bevel can be given to the disc and work done automatically or at the will of the operator.

No. N2A—With disc adjustment, w't each boxed 6 lbs. each \$2.70

REYNOC RAILWAY GRINDER



It Runs in Oil.

No. N175

A heavy, powerful machine, made to stand up under great abuse. Equipped with a medium grit Dimeo-Grit stone 7x14 in., which will sharpen the hardest steel without drawing the temper. A very strongly constructed hand power grinder designed for railroads and other heavy uses.

Description of Attachments

In the tooling attachments of the No. N175 Reynoc Railway Grinder, simplicity, ruggedness and at the same time accuracy, have been the first considerations. The working parts of these attachments are machined and finished in gray enamel with good weather resisting properties.

Aside from the regular tool attachments, consisting of a sliding plane bit and chisel guide, and the twist drill sharpening attachment, we furnish, as special equipment, a flat drill sharpening attachment.

The three attachments are mountable and interchangeable on one tool post furnished with each machine. Mounting and operating is so simple that any workman can use them.

The Sliding Plane Bit and Chisel Guide attachment consists of a plain tool rest and also a clamp suitable for holding firmly any flat tool. The holding device then can be moved backward and forward on the tool post, in a straight line, across face of wheel, producing an accurate bevel.

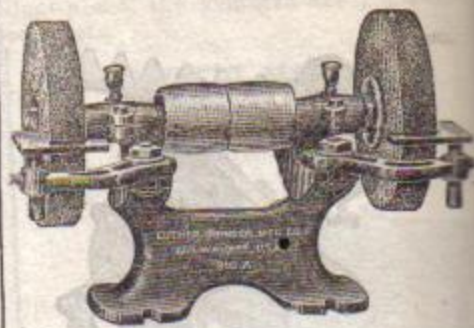
The Twist Drill Sharpening Attachment. Twist drills, ranging in sizes 1/8 to 1 1/2 inches, are merely laid into a "V" way, with the cutting edge lying against a steel lip at the nose of the attachment. The adjustment of the drill in the "V" way is regulated by a screw operated stop, and the advance of the work against the grinding wheel is controlled by sliding the attachment along the tool post. The operation of grinding is merely that of swinging the "V" way about its turning post.

The Flat Drill Sharpening Attachment in its general operation, is the same as that of the twist drill sharpening attachment, excepting that the flat drill is clamped between jaws by a thumb screw. The process of grinding is the same as that of the twist drill sharpening attachment.

No. N175 REYNOC—Railway grinder, w't 39 lbs. each \$21.00

ONE IN A BOX

GRINDERS



No. N310C

A very practical Power Bench Grinder, capable of taking care of all farm grinding and heavy machine work. Power can come from above, below or either side. This grinder is equipped with adjustable tool rests, adjustable bearings, spring oil cups, solid malleable iron frame tight and loose pulleys, one coarse and one medium Dimeo-Grit wheel. Cuts steel about ten times faster than emery, leaving a keen cutting edge without drawing the temper. Fully guaranteed. Wheels 7x14x1 in.,

Nos.	N309C	N310C
No. of pulleys	1	2
W't each, lbs.	39	42
Each	\$19.90	22.40

ONE IN A BOX

COMBINATION SICKLE AND DISC ATTACHMENT



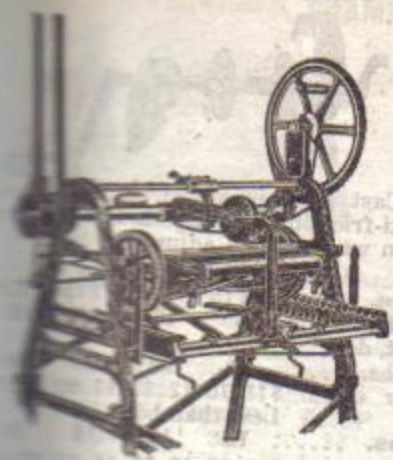
Fits either the Nos. N310C or N309C models.

The disc attachment sharpens each blade separately. Easily adjusted for any size disc. Disc blade will automatically revolve when the handle on the attachment is raised.

No. 925AC—Attachment includes all the equipment for the above work, each\$4.90

LOOSE

LAWN MOWER GRINDERS



THE IDEAL LAWN MOWER GRINDER is the only practical machine on the market for sharpening the blades of lawnmowers. It will pay for itself more quickly than any other investment one can make. It means economy of business and increased profits for the repair man. The **IDEAL** will sharpen all makes of mowers perfectly in from 15 to 20 minutes without removing the wheels or the real knife. Skates can be ground on this machine by clamping them in the attachment used when sharpening the straight blades of mowers. Travel of grinding wheel 24 in., w't 215 lbs.

- No. W3**—For power, with sub-base,\$150.00
 - No. W2**—For hand, with sub-base,\$160.00
- ONE IN A CRATE



SHIPPED bolted hardwood frame, malleable iron fixtures, painted, length 42 inches.

	W3	W2
Diam. of stone, in.	18 to 20	22 to 24
Width of stone, in.	1 1/2 to 2 1/2	2 to 2 1/2
W't complete, lbs.	40 to 50	70 to 80
Each	\$11.70	11.70

SHIPPED KNOCKED DOWN

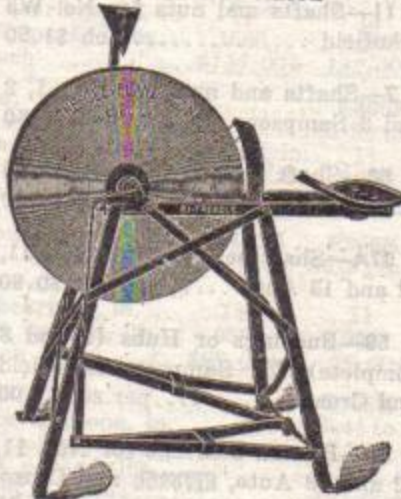
Grindstones of larger dimensions than are regularly furnished with the different numbers of Grindstones are ordered, an extra charge will be made.

MOUNTED GRINDSTONES



No. W50 **REWORK**—Heavy Tubular Steel Frame, with seat, water guard and dry cup. Ball Bearing. Painted red. High grade Huron stone. Diam. 19 to 22 in., thickness 1 1/2 to 2 1/2 in. The most rigid grindstone on the market. Can be set up by fastening only one bolt. W't complete 100 lbs., each\$15.80

ONE IN A CRATE



Schofield's, Malleable Iron Fixtures, Wrought Steel Frame and Seat, Double Treadle, Front Shield. Length 30 in., diameter 19 to 22 in., thickness 1 1/2 to 2 1/2 in., w't of stone 50 to 60 lbs., w't complete 100 lbs.

- No. W5**—Plain Bearing, each\$12.80
- No. W05**—Ball bearing, each\$13.30

ONE IN A CRATE

No. W6 **Cruso**—Angle iron frame, ball bearing, painted black, w't of stone about 50 lbs., w't complete about 85 lbs.,each \$11.00

KNOCKED DOWN AND WIRED TO CRATED STONE

MOUNTED GRINDSTONES



No. W12—Auto, bolted hardwood frame, malleable iron fixtures. Ball bearing. Length 44 in., diam. of stone 22 to 24 in., thickness 2 to 2 1/2 in., w't 70 to 80 lbs. W't complete 115 to 125 lbs.,each \$13.00

SHIPPED KNOCKED DOWN



HERCULES

Designed specially for railroad and New England trade, where a strong heavy article is required.

Frame made of seasoned hardwood, with oil and varnish finish, strongly braced in all directions. Heavy bolts and washers. Furnished with crank, treadle, water trough and clothes protector. Extra heavy patent shaft and turn rollers furnished.

Nos. ... F201H F202H F203H F204H

Diam. of stone, in.	24	24	26	26
Width of stone, in.	2	3	2 1/2	3
W't complete, lbs.	140	180	178	200

Each\$8.00* 9.00* 9.50* 10.00*

Nos. F205H F206H F207H

Diam. of stone, in.	28	30	30
Width of stone, in.	3	2	3
W't complete, lbs.	225	200	265

Each\$11.50* 11.00* 12.00*

Nos. F208H F209H F210H

Diam. of stone, in.	32	34	34
Width of stone, in.	2 1/2	2	3
W't complete, lbs.	275	250	325

Each\$12.00* 12.00* 14.00*

SHIPPED KNOCKED DOWN

FAMILY GRINDSTONE



REVONOC
Improved ball bearing, fine, especially selected Berea grindstone, turned and rubbed smooth, mounted in extra heavy malleable iron trough on wood base, enameled blue, fitted with

patent hub, steel shaft and steel ball bearings.

Can be shipped knocked down, can be set up or a new stone applied in a few minutes by any one, no cement necessary.

Nos.	R27	R28	R29
Diam. stone, in....	7	8	9
W't doz., lbs.	102	120	156
Per dozen	\$56.00	\$58.50	\$63.50

ONE IN A CARTON

LOOSE GRINDSTONES



Selected Stones.

No. W20—20 to 33 lbs.,	per ton	\$115.00
No. F20—20 to 39 lbs.,	per ton*	\$95.00
No. W40—40 to 100 lbs.,	per ton	\$110.00
No. F40—40 to 200 lbs.,	per ton*	\$90.00
No. F200—200 lbs. and over	per ton*	\$100.00

LOOSE

Weights and sizes of loose grindstones.		
W't, Lbs.	Diam., In.	Thickness, In.
20	12 to 14	2 to 2½
30	14 to 16	2 to 2½
40	17 to 19	2 to 2½
50	20	2 to 2½
60	22	2 to 2½
70	24	2 to 2½
80	26	2
90	28	2
100	20	2

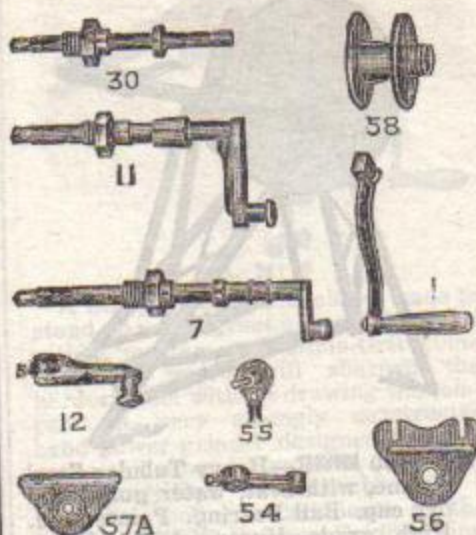
SMALL GRINDSTONES OR LATHE STONES

Thickness 1 in. to 1½ in.

6 in.	per dozen	\$12.10
7 in.	per dozen	12.70
8 in.	per dozen	13.20
9 in.	per dozen	14.30
10 in.	per dozen	15.10
11 in.	per dozen	16.30
12 in.	per dozen	18.20

LOOSE

EXTRA PARTS FOR MOUNTED GRINDSTONES



No. 30—Shafts and nuts for Nos. 11, 12 and 13 Auto, and REVONOC, each\$1.50

No. 11—Shafts and nuts for No. W5 Schofieldeach \$1.50

No. 7—Shafts and nuts for Nos. 1, 2 and 3 Sampsoneach \$1.50

No. 56—Shaft bearings for No. W05 Schofield and REVONOC, per set \$0.50

No. 57A—Shaft bearings for Nos. 11, 12 and 13 Autoper set \$0.50

No. 58—Bushings or Hubs (2 and 3 complete) for Sampson, Schofield and Crusoper set \$1.00

No. 55—Pitman bearings for Nos. 11, 12 and 13 Auto, REVONOC and Cruso, each\$0.30

No. 56A—Round steel balls for Pitman and shaft bearings, per set of nine\$0.50

No. 59—Treadle Rods for REVONOC and Autoeach \$0.25

No. 54—Crank for Nos. 11, 12 and 13 Auto and REVONOCeach \$0.30

No. 12—Crank for Nos. W5 and W05 Schofieldeach \$0.50

No. 1—Hand cranks for Nos. 1, 2 and 3 Sampsoneach \$0.60

LOOSE

GRINDSTONE FIXTURES



Cast iron, japanned, double wheel, anti-friction covered bearings, two iron washers and adjustable nut.

Full half dozen boxes

Nos.	T15	T17	T19	T21
Axle, in.	15	17	19	21
W't, doz., lbs.	60	68	70	80
Per dozen	\$11.70	12.30	13.80	16.50

Less than box

Nos.	15	17	19	21
Per dozen	\$12.30	12.90	14.50	17.40

HALF DOZEN IN A BOX

No. 10—Extra cranks, per dozen\$2.10

No. 117—Extra shafts with nuts, 17 in.per dozen \$6.20

No. 20—Extra nuts for common grindstone shaftsper dozen \$0.80

No. 25—Extra flanges or washers, per dozen\$0.70

LOOSE



Giant, cast iron japanned, extra heavy, 17 in. axle, w't per doz., 102 lbs.

Will hang a stone true and fast to its shaft by means of set screws. No blocking, wedging or cementing is necessary.

No. T2—Full half dozen case, per dozen\$22.00

No. 2—Less than half dozen, per dozen\$23.80

HALF DOZEN IN A CASE

BALL BEARING GRINDSTONE FIXTURES



RICHARD'S, ball bearing journals, adjustable on shafts, suitable for stones 2 to 3 in. thick, weighing from 50 to 100 lbs., fitted with ball bearing treadle arm for foot power and hand crank, w't per doz. sets 85 lbs.

No. T100—Full dozen case, per dozen sets\$33.00

No. 100—Less than dozen case, per dozen sets\$36.00

ONE DOZEN IN A CASE

★ Items Marked Thus ★ Are Shipped From Factory Only.

WOOD FRAME



Frames made of seasoned hardwood, braced in every direction, firmly bolted together 12-in. pulley furnished with all sizes of wood power bearings; will substitute required size bearing actual difference in price.

	F220P	F225P	F230P
Size of stone, in.	24	30	36
Size of shaft at bearings, in.	3	4	4½
Each	\$53.70★	65.30★	77.00★

FARMERS SPECIAL



Frame is oiled and varnished to prevent decay; has hand crank so may be used in an emergency. Stone shipped k. d.; stone crated. Frame—Hardwood frame, steel pulley, hardened steel roller bearings, foot treadle with roller bearings on crank, stone 24 in. diameter, 2 to 3 in. thick, each \$23.00

EMPIRE



Designed to meet needs of farmers, powered by gasoline engine. Stone 24 in. in diam., 2 in. thick, shipping mounted 225 lbs. each \$40.00

ONE IN A CRATE

POWER GRINDSTONES



Keystone Iron Frame

Trough thick, heavy one-piece casting. Legs securely fastened

with two bolts. Adjustable tool rest, with drip pan. 12-in. pulley furnished with all sizes; required size furnished at actual difference in price.

Nos.	F508K	F506K
Size of stone, in.	50×7½ to 8	50×5½ to 6
Size of shaft at bearings, in.	1½	1½
W't packed, lbs.	1975	1650
Each	\$160.00★	140.00★

No.	F488K
Size of stone, in.	48×7½ to 8
Size of shaft at bearings, in.	1½
W't packed, lbs.	1850
Each	\$150.00★

Nos.	F486K	F485K
Size of stone, in.	48×5½ to 6	48×4½ to 5
Size of shaft at bearings, in.	1½	1½
W't packed, lbs.	1600	1450
Each	\$136.00★	132.00★

No.	F406K
Size of stone, in.	40×5½ to 6
Size of shaft at bearings, in.	1½
W't packed, lbs.	1050
Each	\$102.00★

Nos.	F405K	F366K
Size of stone, in.	40×4½ to 5	36×5½ to 6
Size of shaft at bearings, in.	1½	1½
W't packed, lbs.	950	950
Each	\$98.00★	98.00★

No.	F365K
Size of stone, in.	36×4½ to 5
Size of shaft at bearings, in.	1½
W't packed, lbs.	875
Each	\$94.00★

Nos.	F364K	F305K
Size of stone, in.	36×4 to 4½	30×4½
Size shaft at brgs., in.	1½	1
W't packed, lbs.	825	500
Each	\$92.00★	78.00★

No.	F304K
Size of stone, in.	30×4
Size of shaft at bearings, in.	1
W't packed, lbs.	480
Each	\$76.00★

Nos.	F303K	F302K
Size of stone, in.	30×3½	30×3
Size shaft at brgs., in.	1	1
W't packed, lbs.	450	425
Each	\$74.00★	73.00★

ONE IN A CRATE

"LITTLE" GIANT



Frame is cast iron, the trough being cast in one piece, legs securely bolted to frame. An adjustable tool rest with drip pan is furnished. 3 in. diam. steel shaft, roller bearing, diam. of stone 24 in., thickness 3½ to 4 in., shipping w't mounted 225 lbs.

No. F400G—With 12 in. pulley for power★ each \$45.50

No. F401G—With 12 in. pulley for power and heavy steel treadle and crank★ each \$51.00

No. F402G—With heavy steel treadle and crank, no pulley★ each \$47.00

"HARVEST KING"



The frame folds, and it is only necessary to attach one end of each of four side braces to set it up. It is constructed of heavy 1½×1½×¾ in. angle steel, and is handsomely painted green and black. Can be set up in a few minutes without instructions.

Roller bearings made from cold rolled steel shafting, the only cheap power stone with bearings of this type.

Frame knocked down; stone crated.

No. W800—Regular, which includes steel frame, stone 24 in. in diam. and 2 in. thick, 12×2½ in. pulley, hand crank and drip cup, w't each 125 lbs. each \$17.80

No. W801—Complete with trough, treadle, pitman and bearing, w't each 149 lbs. each \$21.20

ABOVE, ONE IN A CRATE

REYONOC PAPERS
REYONOC FLINT

Finest pure rope manila paper backing, extra tough and flexible glue, carefully graded abrasive coating, thoroughly seasoned, in sheets 9x11 in.

Nos.	0000	000	00
W't, ream, lbs.	16	17½	19
Per ream	\$7.50	8.00	8.30

Nos.	0	1-2	1
W't, ream, lbs.	22	23	32
Per ream	\$9.00	9.80	11.00

Nos.	1½	2	2½
W't, ream, lbs.	35	41	47
Per ream	\$13.00	15.00	15.00

Nos.	3	3½	4
W't, ream, lbs.	53	60	70
Per ream	\$15.00	15.00	15.00

Assorted Nos. 00 to 3, each ½ ream
containing one quire each Nos. 00, 0, ½, 2, 2½, 3 and two quires each Nos. 1 and 1½, w't per ream 33 lbs., per ream \$13.00
We cannot supply assorted sheets to the quire.

HALF REAM IN A BUNDLE

REYONOC GARNET

Nos.	00	0	1-2	1
W't, ream, lbs.	24	32	38	48
Per ream	\$17.60	17.60	20.30	24.00

Nos.	1½	2	2½	3
W't, ream, lbs.	62	73	88	112
Per ream	\$28.00	32.60	36.00	42.00

HALF REAM IN A PACKAGE

REYONOC EMERY

Nos.	00	0	1-2
Grade emery	150	120	90
W't, ream, lbs.	19	24	34
Per ream	\$16.00	16.00	17.30

Nos.	1	1½	2
Grade emery	80	70	60
W't, ream, lbs.	40	44	46
Per ream	\$19.00	21.80	25.20

HALF REAM IN A PACKAGE

MARICOPA FLINT PAPERS



Good fibre paper, selected glue and carefully graded Quartz coating, sheets 8¼x10½ inches.

Nos.	000	00	0
W't, ream, lbs.	15	16	17
Per ream	\$7.00	7.50	8.10

Nos.	1-2	1	1½
W't, ream, lbs.	19	21	27
Per ream	\$8.80	10.00	11.70

Nos.	2	2½	3
W't, ream, lbs.	31	40	44
Per ream	\$13.50	13.50	13.50

Assorted Nos. 00 to 3, each ½ ream
containing one quire each Nos. 00, 0, ½, 2, 2½, 3 and two quires each Nos. 1 and 1½, w't per ream 27 lbs., per ream \$11.70

We cannot supply assorted sheets to the quire.

REYONOC EMERY CLOTH

Finest heavy woven twill cloth backing, extra tough and flexible glue, carefully graded pure emery abrasive coating, thoroughly seasoned, in sheets 9x11 inches.

Nos.	00	0	1-2
Grade emery	150	120	90
W't, ream, lbs.	31	34	41
Per ream	\$50.00	50.00	53.00

Nos.	1	1½	2
Grade emery	80	70	60
W't, ream, lbs.	45	49	53
Per ream	\$55.70	58.30	62.00

REYONOC CROCUS CLOTH

Crocus, w't per ream 24 lbs.,
per ream \$50.00

QUARTER REAM IN A PACKAGE

ALOXITE CLOTH



In Sheets 9x11 Inches, in Reams

Aloxite is an artificial abrasive, the product of a special bauzite clay, treated in the electric furnace at a temperature of 3000 degrees Fahrenheit; the Aloxite grains are much harder and tougher than emery, and will cut metal quickly and easily, leaving a superior finish.

Aloxite cloth is made with the greatest care, the grains being thoroughly cleaned, graded and coated on the best quality of brown drill by improved process. The glues used are the purest and best quality obtainable, and as a result Aloxite cloth is uniformly coated, durable and flexible.

Nos.	600	60	60½
Grit, Nos.	2-0	0	1
W't, ream, lbs.	32	35	42
Per ream	\$57.00	57.00	59.20

Nos.	61	61½	62
Grit, Nos.	1	1½	2
W't, ream, lbs.	44	49	54
Per ream	\$62.20	65.20	69.30

QUARTER REAM IN A PACKAGE



In Economy Rolls, 50 Ft. Long.

The handiest form for use in shop or garage, prevents waste, and is always ready for use.

1 INCH WIDE

Nos.	6100	610½	611½
Grit, Nos.	00	½	1½
W't per roll, lbs.	1½	2	2½
Per roll	\$4.10	4.20	4.80

1½ INCHES WIDE

Nos.	6150	615½	616½
Grit, Nos.	00	½	1½
W't per roll, lbs.	2½	3	3½
Per roll	\$5.50	5.75	6.40

2 INCHES WIDE

Nos.	6200	620½	621½
Grit, Nos.	00	½	1½
W't per roll, lbs.	3	4	5
Per roll	\$6.80	7.20	8.00

LOOSE

ABRASIVE PAPER AND CLOTH, IN ROLLS

PRICES ON APPLICATION

FIRST QUALITY FLINT PAPER



Narrower than 24 in. size must be ordered in quantities sufficient to use up full rolls of sizes 24 in. or larger. For example: 24 in. is a regular size, but we can furnish 8 in. if three rolls of 8 in. are ordered, which will cut, without waste, from the single 24 in. roll

Per Roll, 50 Yards Long.

Nos.	to F 0	F 1/4	F 1	F 1 1/2	F 2	F 2 1/2	F 3	F 3 1/2	F 4
1/4 in.	\$0.59	\$0.62	\$0.65	\$0.71	\$0.77	\$0.83	\$0.89	\$0.98	
1/2 in.	.88	.95	1.06	1.15	1.25	1.35	1.45	1.65	
3/4 in.	1.15	1.25	1.40	1.55	1.70	1.85	2.05	2.30	
1 in.	1.45	1.60	1.75	1.95	2.15	2.40	2.65	3.00	
1 1/4 in.	1.75	1.90	2.15	2.35	2.65	2.90	3.25	3.65	
1 1/2 in.	2.05	2.25	2.50	2.80	3.10	3.45	3.80	4.35	
1 3/4 in.	2.30	2.55	2.85	3.20	3.55	3.95	4.40	5.00	
2 in.	2.60	2.90	3.20	3.60	4.05	4.50	5.00	5.70	
2 1/4 in.	3.20	3.55	3.95	4.45	4.95	5.55	6.15	7.05	
2 1/2 in.	3.75	4.20	4.70	5.25	5.80	6.40	7.35	8.40	
2 3/4 in.	4.35	4.80	5.40	6.10	6.85	7.65	8.50	9.75	
3 in.	4.90	5.50	6.15	6.90	7.75	8.70	9.65	11.10	
3 1/4 in.	5.50	6.10	6.85	7.75	8.70	9.75	10.80	12.40	
3 1/2 in.	6.05	6.75	7.60	8.60	9.65	10.75	12.00	13.80	
3 3/4 in.	7.20	8.05	9.05	10.25	11.50	12.85	14.35	16.50	
4 in.	8.35	9.35	10.50	11.85	13.35	15.00	16.70	19.20	
4 1/4 in.	8.95	10.00	11.25	12.70	14.30	16.05	17.90	20.55	
4 1/2 in.	9.50	10.60	11.95	13.50	15.20	17.10	19.05	21.90	
4 3/4 in.	10.65	11.90	13.40	15.20	17.10	19.15	21.40	24.60	
5 in.	11.80	13.20	14.90	16.80	18.95	21.25	23.75	27.30	
5 1/4 in.	13.00	14.60	16.50	18.70	21.10	23.70	26.50	30.50	
5 1/2 in.	15.25	17.10	19.30	21.80	24.60	27.60	30.80	35.45	
5 3/4 in.	16.25	18.25	20.60	23.35	26.35	29.65	33.15	38.15	
6 in.	18.15	20.35	22.95	26.00	29.30	32.85	36.70	42.15	
6 1/4 in.	19.50	21.90	24.75	28.10	31.70	35.60	39.80	45.75	
6 1/2 in.	21.65	24.30	27.50	31.20	35.20	39.35	44.20	50.90	
6 3/4 in.	22.75	25.55	28.85	32.70	36.95	41.50	46.40	53.40	
7 in.	25.60	28.75	32.40	36.70	41.45	46.55	52.00	59.80	
7 1/4 in.	26.00	29.20	33.00	37.40	42.20	47.40	53.00	61.00	

FIRST QUALITY GARNET PAPER

Narrower than 24 inch sizes must be ordered in quantities sufficient to use up full rolls of sizes 24 inch or larger. For example: 24 in. is a regular size, but we can furnish 8 in. if three rolls of 8 in. are ordered, which will cut, without waste, from the single 24 in. roll.

Nos.	to F 0	F 1/4	F 1	F 1 1/2	F 2	F 2 1/2	F 3	F 3 1/2
1/4 in.	\$0.59	\$0.62	\$0.65	\$0.71	\$0.77	\$0.83	\$0.89	\$0.98
1/2 in.	.88	.95	1.06	1.15	1.25	1.35	1.45	1.65
3/4 in.	1.15	1.25	1.40	1.55	1.70	1.85	2.05	2.30
1 in.	1.45	1.60	1.75	1.95	2.15	2.40	2.65	3.00
1 1/4 in.	1.75	1.90	2.15	2.35	2.65	2.90	3.25	3.65
1 1/2 in.	2.05	2.25	2.50	2.80	3.10	3.45	3.80	4.35
1 3/4 in.	2.30	2.55	2.85	3.20	3.55	3.95	4.40	5.00
2 in.	2.60	2.90	3.20	3.60	4.05	4.50	5.00	5.70
2 1/4 in.	3.20	3.55	3.95	4.45	4.95	5.55	6.15	7.05
2 1/2 in.	3.75	4.20	4.70	5.25	5.80	6.40	7.35	8.40
2 3/4 in.	4.35	4.80	5.40	6.10	6.85	7.65	8.50	9.75
3 in.	4.90	5.50	6.15	6.90	7.75	8.70	9.65	11.10
3 1/4 in.	5.50	6.10	6.85	7.75	8.70	9.75	10.80	12.40
3 1/2 in.	6.05	6.75	7.60	8.60	9.65	10.75	12.00	13.80
3 3/4 in.	7.20	8.05	9.05	10.25	11.50	12.85	14.35	16.50
4 in.	8.35	9.35	10.50	11.85	13.35	15.00	16.70	19.20
4 1/4 in.	8.95	10.00	11.25	12.70	14.30	16.05	17.90	20.55
4 1/2 in.	9.50	10.60	11.95	13.50	15.20	17.10	19.05	21.90
4 3/4 in.	10.65	11.90	13.40	15.20	17.10	19.15	21.40	24.60
5 in.	11.80	13.20	14.90	16.80	18.95	21.25	23.75	27.30
5 1/4 in.	13.00	14.60	16.50	18.70	21.10	23.70	26.50	30.50
5 1/2 in.	15.25	17.10	19.30	21.80	24.60	27.60	30.80	35.45
5 3/4 in.	16.25	18.25	20.60	23.35	26.35	29.65	33.15	38.15
6 in.	18.15	20.35	22.95	26.00	29.30	32.85	36.70	42.15
6 1/4 in.	19.50	21.90	24.75	28.10	31.70	35.60	39.80	45.75
6 1/2 in.	21.65	24.30	27.50	31.20	35.20	39.35	44.20	50.90
6 3/4 in.	22.75	25.55	28.85	32.70	36.95	41.50	46.40	53.40
7 in.	25.60	28.75	32.40	36.70	41.45	46.55	52.00	59.80
7 1/4 in.	26.00	29.20	33.00	37.40	42.20	47.40	53.00	61.00

Width not listed will be charged at the price of the next greater width.

FIRST QUALITY EMERY OR ALUNDUM CLOTH

Narrower than 9 in. sizes must be ordered in quantities sufficient to use up full rolls of sizes 9 in. or larger. For example: 9 in. is a regular size, but we can furnish 3 in. if three rolls of 3 in. are ordered, which will cut, without waste, from the single 9 in. roll.

Per Roll, 50 Yards Long.

Nos.	to F 0	F 1/4	F 1	F 1 1/2	F 2	F 2 1/2	F 3	F 3 1/2	F 4	F 4 1/2
1/4 in.	\$1.20	\$1.25	\$1.30	\$1.35	\$1.45	\$1.50	\$1.55	\$1.65		
1/2 in.	1.55	1.60	1.65	1.75	1.85	1.95	2.05	2.15		
3/4 in.	1.85	1.90	2.00	2.15	2.25	2.35	2.50	2.65		
1 in.	2.20	2.25	2.35	2.50	2.65	2.80	3.00	3.20		
1 1/4 in.	2.50	2.60	2.75	2.90	3.05	3.25	3.45	3.70		
1 1/2 in.	3.10	3.25	3.40	3.65	3.85	4.15	4.45	4.75		
1 3/4 in.	3.75	3.90	4.15	4.40	4.70	5.00	5.40	5.80		
2 in.	4.10	4.30	4.55	4.90	5.10	5.50	6.00	6.50		
2 1/4 in.	4.75	4.95	5.25	5.65	6.00	6.50	7.00	7.60		
2 1/2 in.	5.35	5.65	6.00	6.40	6.80	7.35	7.95	8.60		
2 3/4 in.	6.65	7.00	7.40	7.95	8.45	9.15	9.85	10.70		
3 in.	7.90	8.30	8.85	9.45	10.10	10.90	11.75	12.75		
3 1/4 in.	9.15	9.65	10.25	11.00	11.70	12.65	13.65	14.85		
3 1/2 in.	10.40	10.90	11.65	12.50	13.35	14.40	15.60	16.90		
3 3/4 in.	11.65	12.25	13.05	14.00	14.95	16.15	17.50	18.95		
4 in.	12.95	13.60	14.50	15.55	16.60	17.95	19.40	21.05		
4 1/4 in.	15.45	16.20	17.30	18.60	19.85	21.45	23.20	25.20		
4 1/2 in.	18.00	18.90	20.20	21.65	23.10	25.00	27.05	29.35		
4 3/4 in.	19.25	20.30	21.60	23.20	24.75	26.75	28.90	31.40		
5 in.	20.55	21.60	23.00	24.70	26.40	28.50	30.85	33.50		
5 1/4 in.	23.05	24.25	25.85	27.75	29.65	32.05	34.65	37.60		
5 1/2 in.	25.60	26.90	28.70	30.80	32.90	35.60	38.50	41.80		
5 3/4 in.	30.60	32.20	34.35	36.90	39.40	42.60	46.15	50.05		
6 in.	32.15	33.85	36.10	38.80	41.50	44.90	48.60	53.80		

Widths not listed charged at the price of the next greater width.

We can also supply promptly, in rolls, Flint Cloth, Garnet Cloth, or Emery Paper. Write for prices.

TABLE OF WEIGHTS OF FLINT PAPER IN ROLLS

Width, in.	2 1/2	3	4	6	8	9	10	12	15	18	20	24	30	36	40	42	48
2 1/2 in. w't per roll, lbs.	2	3	3	5	7	8	9	11	13	17	18	18	20	30	36	36	54
3 in. w't per roll, lbs.	2	3	4	6	8	9	10	12	15	18	20	22	35	38	38	64	74
4 in. w't per roll, lbs.	2	3	5	7	10	10	12	14	17	20	23	30	38	40	48	55	92
6 in. w't per roll, lbs.	3	4	5	8	10	11	13	16	19	22	26	35	45	48	55	66	110
8 in. w't per roll, lbs.	3	5	6	9	12	13	15	18	23	27	30	47	54	65	66	77	134
10 in. w't per roll, lbs.	4	6	7	11	14	16	19	21	29	33	38	55	62	70	79	97	188
12 in. w't per roll, lbs.	5	7	8	12	17	18	21	25	31	37	42	65	70	74	87	97	188
15 in. w't per roll, lbs.	6	9	10	15	20	23	25	30	37	45	52	78	85	87	106	106	212
18 in. w't per roll, lbs.	7	11	12	18	24	27	30	36	45	54	60	85	87	112	125	130	242

Garnet paper weighs considerably more than flint, running from 26 to 120 lbs. on 24 in., as compared with 23 to 78 lbs. on 24 in. Garnet and flint cloth weigh approximately the same as paper. Emery paper and cloth weigh about the same as flint paper and cloth.

Quantities on this page are not carried in stock, and can only be furnished for factory shipment.

NAIL PULLERS



ECLIPSE

Box Joint—Round Rod

The best popular priced puller made. Rammer has octagon head. Prevents rolling. Polished Jaws; round rammer, japanned.

No. 91—Giant pattern, 18 in., w't per doz. 57 lbs.per dozen \$22.00
THREE DOZEN IN A BOX



GIANT

Box Joint with Hand Guard

The box joint keeps the Jaws in perfect allignment. The hand guard prevents pinching the hand. Jaws open by gravity. Polished long and short jaws, octagon rammer, japanned.

Nos. 1 1/2 1
Inches 17 18
W't doz., lbs. 42 60
Per dozen\$28.50 31.50
THREE DOZEN IN A BOX

TACK CLAWS



No. 100 ~~QV~~—5/16 in., octagon steel shank, rosewood finished handle, nickel plated ferrule, w't per doz., 2 1/2 lbs.per dozen \$4.20
ONE DOZEN IN A BOX



No. 150—Drop forged steel, tempered, polished claw, length 7 in., w't per doz. 2 1/2 lbs.per dozen \$3.20
ONE DOZEN IN A BOX



No. 25—Yankee, steel claw, cast iron shank, polished maple handle, w't per doz. 2 1/2 lbs.per dozen \$1.50
ONE DOZEN IN A BOX

BOX CHISELS



High carbon tool steel, satin finish, flat head.
No. 2 ~~REV~~—In. . 10 12 14
W't per doz., lbs. . 7 11 17
Per dozen\$6.00 7.00 7.50
ONE DOZEN IN A BOX



CRATE OPENERS

This is a tool of quality and durability.
No. 3 ~~QV~~—One piece, 9 in., nickel plated, forged from high grade carbon tool steel, w't per doz. 10 1/2 lbs.per dozen \$19.50
HALF DOZEN IN A BOX



Forged from good material and does the work.
No. 328 ~~REV~~—One piece, 9 in., drop forged steel square head, satin finish, face and claw polished, w't per doz. 11 lbs.per dozen \$15.50
ONE DOZEN IN A BOX

BOX AND WOOD SCRAPERS



No. 60—Triangular, solid steel, wood handle, 2 1/2 in. cutter, length 11 in., w't per doz. 7 1/2 lbs.,
per dozen\$10.50
HALF DOZEN IN A BOX



No. 16 ~~REV~~—Solid steel, hard wood handle, 2 1/2 in. cutter, length 11 1/2 in., w't per doz. 8 lbs.,
per dozen\$13.00
HALF DOZEN IN A BOX



No. 70—Malleable iron, adjustable steel blade, 2 in. cutter, wood handle, length 12 in., w't per doz. 12 lbs.,
per dozen\$18.00
Extra blades, for No. 70,
per dozen\$3.50
HALF DOZEN IN A BOX



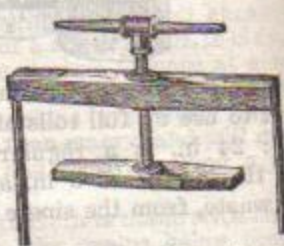
No. 280—Double handle, solid steel blade, 4 1/2 in. cutter, w't per doz. 9 lbs.per dozen \$13.50
HALF DOZEN IN A BOX

HANDY TOOL BARS



No. 25—Octagon steel, polished point and claw, length 12 in., diam. 1/2 in., w't per doz. 10 lbs.,
per dozen\$4.00
HALF DOZEN IN A BOX

BARREL HEADERS



The screw press has the following attached to the screw and is taken up with the screw after the barrel is headed.

No. N10—Cruso, with hardwood head piece 21 in. long, 3 1/2 x 2 in. stock, 1 in. steel screw 8 in. long with malleable fittings; 14 x 1 in. hickory handle; hardwood follower piece 14 in. long by 1 in. thick; steel clamp bars 36 in. long, 1 x 1 in. stock, braced and bolted, height over all closed, 39 in., w't per doz. 172 lbs.,
per dozen\$38.00
LOOSE

BUNG BORERS



Cast steel, tempered, polished blade with round lip bit.

The ~~QV~~ bores a regular taper in round hole, holding its own chips preventing them from entering the cask. It is tempered to cut in a kind of wood and the round lip assures smoothness in boring.

No. 10 ~~QV~~—Bores from 5 to 1 1/2 in., w't per doz. 18 lbs.,
per dozen\$60

No. 20 ~~QV~~—Bores from 1 1/2 to 2 in., w't per doz. 20 lbs.,
per dozen\$84

WASH APRONS

Useful for many purposes, while repairing car on the road, cleaning machine, etc. Made of superior quality rubber cloth. Will be found a most useful article by automobilists.



Medium weight, heavily rubber coated, w't each 2 lbs.,
.....\$3.00

HALF DOZEN IN A PACKAGE

CARPENTER APRONS



Good quality heavy dark duck, neck waist and leg bands, two double stitched nail pockets, one rule pocket, length 34 in., with 28 in., w't per doz. 6 lbs.,
.....\$11.20

LOOSE

CARPENTERS' APRONS



Short pattern, good quality heavy duck, web neck and waist bands, two nail pockets and one combination rule and nail pocket, double stitched, well made and finished, 21 in. long, 30 in. wide, w't per doz. 3½ lbs.

Per Dozen.

No. 1 **OVB**—White duck\$6.50

We can furnish No. 1 aprons stenciled with customer's advertisement.
ONE DOZEN IN A BUNDLE



No. 9 **OVB**—7 oz. best quality white duck, heavy neck and waist bands, double stitched, four pockets, reinforced with leather, 21 in. long, 18½ in. wide, w't per doz. 4 lbs.,
per dozen\$8.40
ONE DOZEN IN A BUNDLE

OVB BOX HOOKS



Hexagon tool steel, oil tempered flattened shank, oval natural oiled hardwood handle.

Nos. OVB	8	5
Size, in.	8×½	10×½
W't, per doz., lbs.	7½	9
Per dozen	\$6.80	8.30

ONE DOZEN IN A BOX



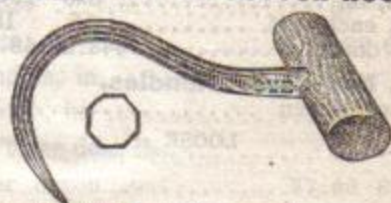
No. 7 **OVB**—12×½ in., hexagon oil tempered tool steel, flattened shank, oval natural oiled hardwood handle, w't per doz. 14 lbs.,
per dozen\$9.60
HALF DOZEN IN A BOX

BOX OR HAY HOOKS



An extra heavy hay hook.
No. 65—All steel, 7½×¾ in., extra cast steel, with large loop for hand, w't per doz. 12½ lbs.,
per dozen\$7.20

OVB HAY OR COTTON HOOKS



No. 6 **OVB**—6×½ in., hexagon oil tempered tool steel, flattened shank, natural oval oiled hardwood handle, w't per doz. 6 lbs.,
per dozen\$7.20

No. 64 **OVB**—6×½ in., extra oil tempered tool steel, polished shank, natural oiled hardwood oval handle, w't per doz. 6 lbs.,
per dozen\$7.60



No. 62 **OVB**—7½×½ in., hexagon oil tempered tool steel, shank, natural oiled hardwood oval handle, w't per doz. 6 lbs.per dozen \$7.00

OVB HAY HOOKS



No. 1 **OVB**—7×½ in., hexagon tool steel, flattened polished shank, natural oiled handle, w't per doz. 7 lbs.,
per dozen\$8.00



No. 63 **OVB**—7½×½ in., extra tool steel, polished shank, natural oiled handle, w't per dozen 6½ lbs.,
per dozen\$8.00
ALL ABOVE ONE DOZEN IN A BOX

SIDEWALK TAMPERS



Steel plate, malleable riveted socket, 4 foot, squared plain end, wood handle.

Nos.	N4	N5
Size, in.	8x8	10x10
W't each, lbs.	15	18
Per dozen	\$43.20	48.00

No. N45—Extra Handles,
per dozen\$5.60

LOOSE



One-piece, reinforced cast plate and socket, 4 foot round slotted end, wood handle.

Nos.	N30	N40
Size, in.	6x6	8x8
W't each, lbs.	10	16
Per dozen	\$24.30	32.00

No. N34—Extra Handles,
per dozen\$5.60

PACKED LOOSE

BEADING TOOLS



Polished cold drawn steel, milled true to gauge, length 8½ in., one end concave and the other convex.

Nos.	140	130	120
Size, in.	3	3	2½
W't per doz., lbs.	4½	3	2½
Per dozen	\$9.00	9.00	9.00

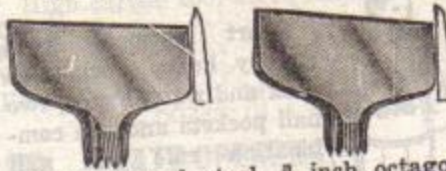
HALF DOZEN IN A BOX

POINTING TOOLS



No. 402—8 in. long, one end round for concave mortar joints, one end square for diamond joints tool steel, polished and tempered, w't per doz. \$9.00

HALF DOZEN IN A BOX

CONCRETE TOOLS
BRICK CHISELS AND SETS

Solid forged steel, ¾ inch octagon shank, polished head and blade, length over all about 7 inches.

No. 75—Chisels, double bevel, 4 in. blade, w't per doz. 13½ lbs.,
per dozen\$17.00

No. 55—Sets, single bevel, 4 in. blade, w't per doz. 13½ lbs.,
per dozen\$17.00

HALF DOZEN IN A BOX
REVONOC STAR DRILLS

Made of tough high carbon octagon steel, hand forged, ground to size, tempered in oil and slightly drawn to color, polished wings and head.

Nos.	412	418	512	518
Size, in.	1	1	5/16	5/16
Length, in.	12	18	12	18
W't, doz., lbs.	2½	3	3½	3½
Per dozen	\$6.30	8.30	6.50	8.60

Nos.	612	618	812	818
Size, in.	1	1	1	1
Length, in.	12	18	12	18
W't, doz., lbs.	3½	4	5	7½
Per dozen	\$6.70	8.90	8.00	9.80

Nos.	1012	1018	1212	1218
Size, in.	1	1	1	1
Length, in.	12	18	12	18
W't, doz., lbs.	8½	9½	13	13½
Per dozen	\$10.00	13.00	11.60	15.00

Nos.	1412	1418	1612	1618
Size, in.	1	1	1	1
Length, in.	12	18	12	18
W't, doz., lbs.	19	19½	20	26
Per dozen	\$14.30	18.00	17.30	21.00

TUCK POINTERS



Convex.



Concave.

Forged steel, 4½ inch hardwood polished handle with ferrule, length of pointing surface 5 inches.

Nos.	2	3
Width, in.	3	3
W't per doz., lbs.	3½	7
Per dozen	\$14.40	14.40

HALF DOZEN IN A BOX

Nos.	112	113
Width, in.	3	3
W't per doz., lbs.	4	7
Per dozen	\$14.40	14.40

HALF DOZEN IN A BOX

ABRAMS JOINTERS



No. 20—Nickel iron, 10x3½ in., double action, cuts groove ½ in. deep ½ in. wide at surface, 6 ft. handle, w't each 6 lbs.each \$10.00

LOOSE

FINISHING TROWELS



No. 1—Silver steel, 24x5 in., double action, 6 ft. handle, w't each 6 lbs.each \$15.00

No. 2—Silver steel, 16x5 in., double action, 6 ft. handle, w't each 6 lbs.each \$12.00

LOOSE

EDGERS



No. 30—Nickel iron 10x3½ in., double action ½ in. form face, ½ in. radius 6 ft. handle, w't 6 lbs.each \$10.00

LOOSE

H.S.B. & CO.
REV-O-NO

We Stand Behind the Brand

CEMENT AND SIDEWALK TOOLS

Made of Close Grained Cast Iron, Well Polished, with Waxed Maple Handles.

JOINTERS



These jointers are for grooving between the sections of a concrete walk, cutting a groove $\frac{1}{2}$ in. deep, $\frac{1}{2}$ in. wide.

No. 12—Iron, $6 \times 2\frac{1}{2}$ in., both ends curved, w't per doz. $11\frac{1}{2}$ lbs., per dozen\$7.60

SIXTH DOZEN IN A CASE



These jointers are for grooving between the sections of a concrete walk, cutting a groove $\frac{1}{2}$ in. deep, $\frac{1}{2}$ in. wide.

No. 13—Iron, 6×3 in., one end straight, w't per doz. 14 lbs., per dozen\$7.60

SIXTH DOZEN IN A CASE



No. 14—Iron, $8 \times 1\frac{1}{2}$ in., both ends curved, w't per doz. 16 lbs., per dozen\$7.60

SIXTH DOZEN IN A CASE

SIDEWALK GROOVERS



No. 13—Iron, 6×3 in., both ends curved, w't per doz. 15 lbs., per dozen\$7.60

SIXTH DOZEN IN A CASE



Groovers make a cut $\frac{1}{2}$ in. deep and $\frac{1}{2}$ in. wide. Used for drainage grooves or to prevent slipping.

No. 14—Iron, 6×3 in., one end straight, w't per doz. 14 lbs., per dozen\$7.60

SIXTH DOZEN IN A CASE

CURBING EDGERS



For finishing curbs, copings, etc., giving a full rounded edge.

No. 22—Iron, $6\frac{1}{2} \times 3\frac{1}{2}$ in., radius 1 in., depth $1\frac{1}{2}$ in., w't per doz. 22 lbs., per dozen\$16.70

SIXTH DOZEN IN A CASE

SIDEWALK EDGERS



Nos.	01	02
Size, in.	$6 \times 2\frac{1}{2}$	$6 \times 2\frac{1}{2}$
Radius, in.	$\frac{1}{2}$	$\frac{1}{2}$
Depth, in.	$\frac{1}{2}$	$\frac{1}{2}$
W't per doz., lbs.	16	17
Per dozen	\$7.60	8.70

SIXTH DOZEN IN A CASE



Edgers are used for finishing and slightly rounding the edges of cement walks, to prevent slipping.

No. 01N—Iron, $8 \times 1\frac{1}{2}$ in., radius $\frac{1}{2}$ in., depth $\frac{1}{2}$ in., w't per doz. $13\frac{1}{2}$ lbs., per dozen\$8.70

SIXTH DOZEN IN A CASE

SQUARE EDGERS



For finishing steps and all right angled corners.

No. 21—Iron, 6×3 in., radius $\frac{1}{2}$ in., depth 1 in., w't per doz. 17 lbs., per dozen\$12.00

SIXTH DOZEN IN A CASE

BRICK TROWELS



WIDE HEEL

WIDE HEEL, forged from high grade trowel steel, tempered, ground and polished; leather wound handle.

Nos. 3010	3010½
Blade, in. 10	10½
Width at heel, in. 5½	6
W't per doz., lbs. 14½	15
Per dozen \$30.00	30.00
Nos. 3011	3011½
Blade, in. 11	11½
Width at heel, in. 6	6½
W't per doz., lbs. 15½	16½
Per dozen \$30.00	30.00

HALF DOZEN IN A BOX

POINTING TROWELS



PHILADELPHIA

PHILADELPHIA PATTERN, forged from high grade trowel steel, tempered, ground and polished; leather wound handle.

Nos. 3110	3111
Blade, in. 10	11
Width at heel, in. 5	5½
W't per doz., lbs. 11½	12
Per dozen \$28.00	28.00
Nos. 3111½	3112
Blade, in. 11½	12
Width at heel, in. 5½	6
Per dozen \$28.00	28.00

HALF DOZEN IN A BOX



CHICAGO

CHICAGO PATTERN forged from high grade trowel steel, tempered, ground and polished; leather wound handle.

Nos. 3210	3210½
Blade, in. 10	10½
Width at heel, in. 6	6½
W't per doz., lbs. 14	14½
Per dozen \$30.00	30.00
Nos. 3211	3211½
Blade, in. 11	11½
Width at heel, in. 6½	6½
W't per doz., lbs. 15	15½
Per dozen \$30.00	30.00

HALF DOZEN IN A BOX

BRICK TROWELS



PHILADELPHIA

PHILADELPHIA PATTERN, forged from high grade steel, tempered, ground and polished; hardwood handle.

Nos. 2910	2910½
Blade, in. 10	10½
Width at heel, in. 5	5½
W't per doz., lbs. 11½	12
Per dozen \$24.00	24.00
Nos. 2911	2911½
Blade, in. 11	11½
Width at heel, in. 5½	5½
W't per doz., lbs. 12½	13
Per dozen \$24.00	24.00

HALF DOZEN IN A BOX



ROSE'S Philadelphia pattern, cast steel blade, solid shank, steel ferrule, maple handle.

Nos. 3410	3410½	3411
Blade, in. 10	10½	11
Width at heel, in. 4½	5½	5½
W't, doz., lbs. 12	13	13½
Per dozen \$33.00	34.00	35.00
Nos. 3411½	3412	3413
Blade, in. 11½	12	13
Width at heel, in. 5½	5½	6
W't, doz., lbs. 14	15	16½
Per dozen \$36.00	37.00	39.00

HALF DOZEN IN A BOX

Rose's wide heel pattern, cast steel blade, solid shank, steel ferrule, maple handle.

Nos. 3510½	3511	3511½
Blade, in. 10½	11	11½
Width at heel, in. 6	6½	6½
W't, doz., lbs. 13½	14	15
Per dozen \$35.20	36.20	37.20

HALF DOZEN IN A BOX



No. 3610—Farmers', 10 in. width at heel 4½ in. polished cast steel blade, riveted shank, beech-wood handle, w't per doz. 8 lbs. per dozen \$8.30

ONE DOZEN IN A BOX



DISSTON'S cast steel polished blade, steel ferrule, gum-wood handle.

Nos. 5010	5011
Blade, in. 10	11
Width at heel, in. 4½	4½
W't per doz., lbs. 11	12
Per dozen \$27.40	30.20
Nos. 5011½	5012
Blade, in. 11½	12
Width at heel, in. 5	5
W't per doz., lbs. 12½	13½
Per dozen \$31.00	32.00

HALF DOZEN IN A BOX

BRICK TROWELS



CRUSO, Philadelphia pattern, forged from special steel, tempered, ground and polished; hard wood handle.

Nos. 379	3710	3711
Blade, in. 9	10	11
Width at heel, in. 4½	4½	5
W't per doz., lbs. 8	10	10½
Per dozen \$16.00	16.00	16.00
Nos. 3711½	3712	
Blade, in. 11½	12	
Width at heel, in. 5½	5½	
W't per doz., lbs. 11½	12	
Per dozen \$16.00	16.00	

HALF DOZEN IN A BOX



MARSHALLTOWN EXTRA WIDE HEEL; forged from highest grade trowel steel, carefully tempered, tapered ground and full polished; handle smithed; leather wound handle, polished ferrule.

Nos. 1710	1710½	1711	1711½
Length, in. 10	10½	11	11½
Width, in. 6	6½	6½	6½
W't doz., lbs. 14	14½	15	15½
Per dozen \$32.00	32.00	32.00	32.00

HALF DOZEN IN A BOX

POINTING TROWELS



Forged from high grade steel, tempered, ground and polished; hard wood handle.

Nos. 424½	425	425½	426
Blade, in. 4½	5	5½	6
Width at heel, in. 2½	2½	2½	2½
W't per doz., lbs. 2½	2½	3½	3½
Per dozen \$10.00	10.00	10.00	10.00



CRUSO, cast steel, polished, solid shank, steel ferrule, beech handle.

Nos. 434	434½	435	436
Blade, in. 4	4½	5	5
Width heel, in. 2½	2½	2½	2½
W't doz., lbs. 2½	2½	3½	3½
Per dozen \$8.00	8.00	8.00	8.00

HALF DOZEN IN A BOX

Forged from special steel, tempered ground and polished, hardwood handle.

No. 215½	Blade 5½ in., width at heel 2½ in., w't per doz. 3½ lbs.
per dozen \$10.00	

ONE DOZEN IN A BOX

PLASTERING TROWLES



MARSHALLTOWN

MARSHALLTOWN PATTERN, full polished crucible spring steel blade, carefully ground and tempered, straight edges; long full polished mounting, mahogany finished handle.

Nos.	1211	1211½	1212
Sizes, in.	4½x11	4½x11½	4½x12
No. of rivets	10	10	10
W't doz., lbs.	12½	13	14½
Per dozen	\$42.00	42.00	42.00
Nos.	1251	1251½	12512
Sizes, in.	5x11	5x11½	5x12
No. of rivets	10	10	10
W't per doz., lbs.	14½	15	15
Per dozen	\$42.00	42.00	42.00

Nos.	12514	12616
Sizes, in.	5x14	6x16
No. of rivets	12	14
W't per doz., lbs.	14½	15
Per dozen	\$42.00	42.00



MARSHALLTOWN

MARSHALLTOWN PATTERN, full polished blade and mounting, stained handle, five rivets.

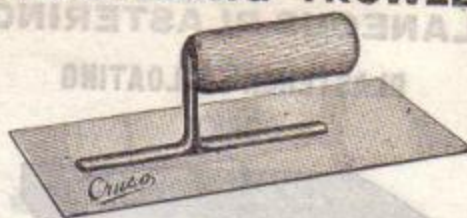
Nos.	1510½	1511
Sizes, in.	10½x4½	11x4½
No. of rivets	5	5
W't per doz., lbs.	13	13
Per dozen	\$28.50	28.50
Nos.	1511½	1512
Sizes, in.	11½x4½	12x4½
No. of rivets	5	5
W't per doz., lbs.	13½	14½
Per dozen	\$28.50	28.50



MARSHALLTOWN

MARSHALLTOWN PATTERN, polished blade and mounting, plain handle; five rivets.

Nos.	2810	2811	2811½	2812
Sizes, in.	10½x4½	11x4½	11½x4½	12x4½
No. of rivets	5	5	5	5
W't per doz., lbs.	13	13	13½	14½
Per dozen	\$24.80	24.80	24.80	24.80



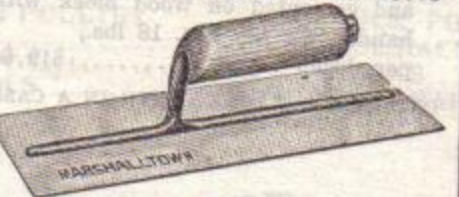
CRUSO, polished blade and mounting, plain handle; four rivets.

Nos.	1910	1911	1911½	1912
Sizes, in.	10x4½	11x4½	11½x4½	12x4½
W't doz., lbs.	11	12	13	14
Per dozen	\$16.50	16.50	16.50	16.50



MARSHALLTOWN finishing, finest crucible spring steel blades carefully tempered, ground and full polished, light stiff mountings, full polished and fastened with ten steel rivets; smooth turned natural finish handles.

Nos.	411½	4011	4011½
Sizes, in.	4½x11½	4½x11	4½x11½
W't, doz., lbs.	13	13½	14
Per dozen	\$45.00	45.00	45.00
Nos.	4012	4511½	4512
Sizes, in.	4½x12	5x11½	5x12
W't, doz., lbs.	14½	14½	15
Per dozen	\$45.00	45.00	45.00



MARSHALLTOWN Browning, finest crucible spring steel blades, carefully tempered, ground and full polished; extra long mountings full polished and fastened with twelve steel rivets; smooth turned natural finish handles.

Nos.	5011	5011½	5012
Sizes, in.	4½x11	4½x11½	4½x12
W't, doz., lbs. ..	14	14½	14½
Per dozen	\$45.00	45.00	45.00
Nos.	5511½	5512	
Sizes, in.	5x11½	5x12	
W't per doz., lbs.	15	15½	
Per dozen	\$45.00	45.00	

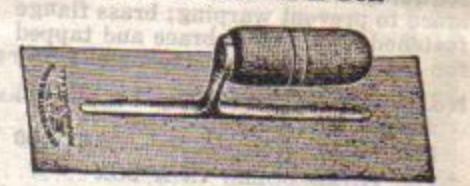


No. 1610—Farmers, 10x4½ in., polished steel blade, three rivets in shank, w't per doz. 10 lbs., Per dozen \$5.50
ALL ABOVE HALF DOZEN IN A BOX



DISSTON'S "Sure Grip", cast steel polished blade, high mounted, drive shank, basswood handle, rubber grip.

Nos.	310½	311	311½	312
Sizes, in.	10½x4½	11x4½	11½x4½	12x5
W't doz., lbs.	14	14½	15½	16½
Per dozen	\$33.40	35.40	36.90	38.40



DISSTON'S, extra cast steel, polished blade, improved screw shank, with shoulder, bass wood handle.

Nos.	110	111
Sizes, in.	10x4½	11x4½
W't per doz., lbs.	12	12½
Per dozen	\$34.90	36.90
Nos.	111½	112
Sizes, in.	11½x4½	12x5
W't per doz., lbs.	14½	15
Per dozen	\$38.05	39.90



DISSTON'S, extra cast steel blade, drive shank.

Nos.	210	211	211½	212
Sizes, in.	10x4½	11x4½	11½x4½	12x5
W't doz., lbs.	11½	12	13	14
Per dozen	\$28.60	30.60	32.10	33.00



WOODROUGH & McPARLIN'S Cincinnati, cast steel, polished, high mounted, drive shank, poplar handle.

Nos.	1810½	1811
Sizes, in.	10½x4½	11x4½
W't per doz., lbs.	12½	13
Per dozen	\$30.40	32.40
Nos.	1811½	1812
Sizes, in.	11½x4½	12x5
W't per doz., lbs.	13½	14
Per dozen	\$33.90	35.40

MISCELLANEOUS PLASTERING TOOLS

PLASTERER'S HAWKS



Wood.

Made of one piece clear seasoned redwood, fitted with dovetailed cross brace to prevent warping; brass flange fastened under cross brace and tapped for handle which is detachable.

No. 11—Marshalltown, 13½x13½ in., w't per doz. 25 lbs., per dozen\$21.00

THIRD DOZEN IN A BOX



Marshalltown Aluminum.

Made from hard rolled aluminum, 12 gauge with smooth straight edges; aluminum flange with brass nut tapped for handle which is detachable.

Equipped with rubber cushions the purpose of this is to protect the operator from callouses.

Nos.	21	22	23
Sizes in.	13x13	13½x13½	14x14
W't, doz., lbs.	20	22	24
Per dozen	\$52.80	54.40	56.00

QUARTER DOZEN IN A BOX

DARBIES



No. 2—Marshalltown, size 3½x44 in., made from 8 gauge aluminum; equipped with one handle and 18 in. rib, w't per doz. 30 lbs., per dozen\$57.60

HALF DOZEN IN A CASE



No. 4—Size 3½x44 in., made from clear aluminum, equipped with one handle and 18 in. rib, w't per doz. 13 lbs., per dozen\$12.00

HALF DOZEN IN A CASE

PLASTERER'S FLOATING CORKS



Made from one thickness of cork, carefully smoothed on both sides.

Nos.	5	6
Size, in.	12x5x1½	12x6x1½
W't per doz., lbs.	6	7
Per dozen	\$15.00	16.00

LOOSE



No. 7—Size 5x12 in., made from one thickness of cork, carefully smoothed and cemented on wood block with handle, w't per doz. 18 lbs., per dozen\$19.60

ONE IN A BOX, ONE DOZEN IN A CASE

IMITATION TILE AND BRICK MARKERS



The groove on this marker is gauged to the proper depth, cuts both ways so as to cut into corners.

No. 1—Spring steel, polished; hardwood handle per dozen \$8.30

¼ LB. A DOZEN

HALF DOZEN IN A BOX

CORNER TROWELS



C.T.

No. 70 C.T.—6 in., made of special steel, full polished; 88 degree angle with sharp corner; bronzed mountings and cherry finished handle, w't per doz. 10½ lbs., per dozen \$16.50

HALF DOZEN IN A BOX

TOOL BAGS



For masons or plasterers, steel frame, with lock and key, leather handles, billets and buckle pieces riveted to frame, large inside pocket.

24 oz. duck sewed on lock stitch machine.

Nos.	1918	1920
Inches	18	20
W't per doz., lbs.	31	36
Per dozen	\$76.80	80.00

ONE DOZEN IN A PACKAGE

Nos.	1922	1924
Inches	22	24
W't per doz., lbs.	42	44
Per dozen	\$83.30	88.80

ONE DOZEN IN A PACKAGE

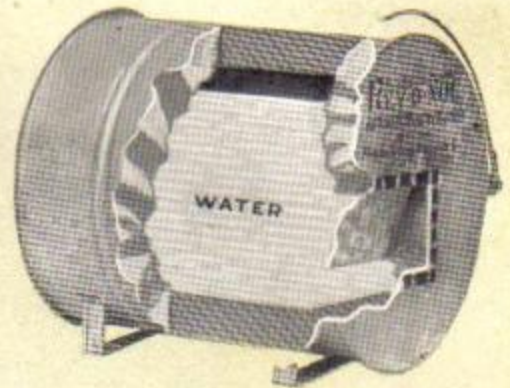
Leather bottom, with leather extending 3 in. up the sides.

Nos.	2316	2320
Inches	16	20
W't per doz., lbs.	33	42
Per dozen	\$110.40	134.40

ONE DOZEN IN A PACKAGE



No. T12, Ret-o-noc
Brood Coop



No. T7, Ret-o-noc
Insulated Chicken Waterers



No. T3, Cruso
Poultry
Fountain



No. W. 71
OVB



No. 25, Cruso Jar
Fountain
Feeder



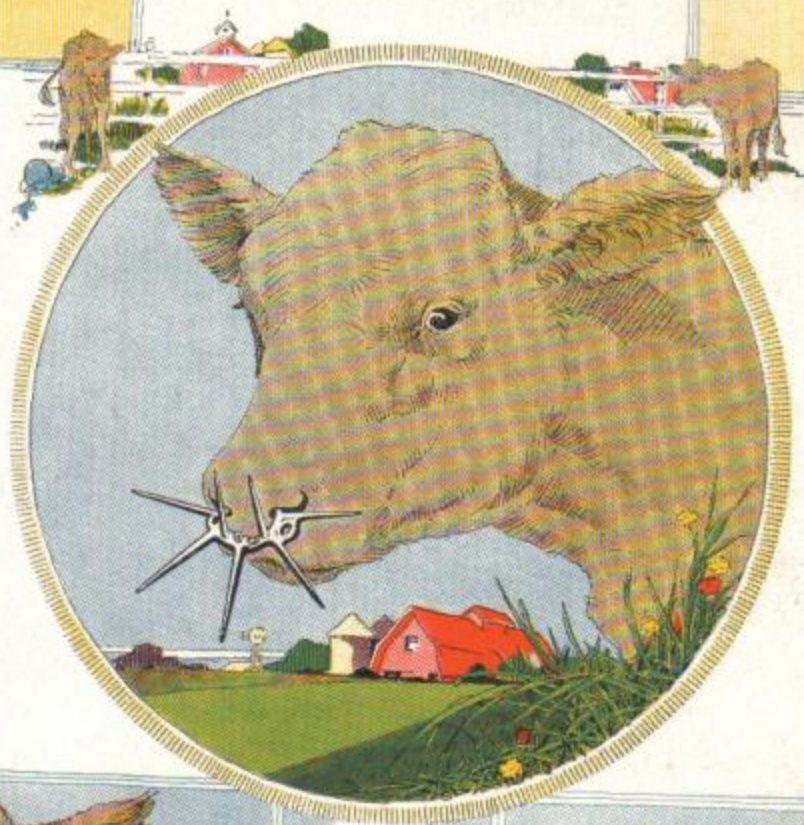
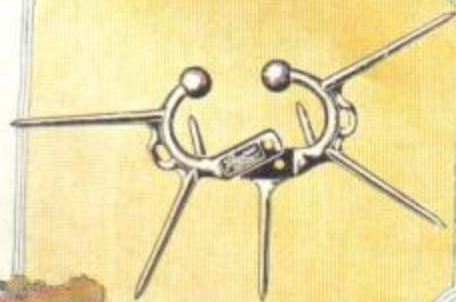
No. T1,
Cruso Brood Coop



No. T2, Ret-o-noc
Brood Coop

Porcupine WEANER

REG. U.S. PAT. OFF.



Effective—It causes the cow to resist attempts at sucking; other types don't.

Humane—Prevents constant annoyance to cow during weaning period.

Safe—Spacing of ball tips controlled by the Stop prevents ulceration from pinching.

Sanitary—Permits calf to graze without entanglement of dirt or trash.

Non-rusting, adjustable ball-tipped nose ring, with seven smooth prongs. Fastened by steel cotter.

FOR CALVES

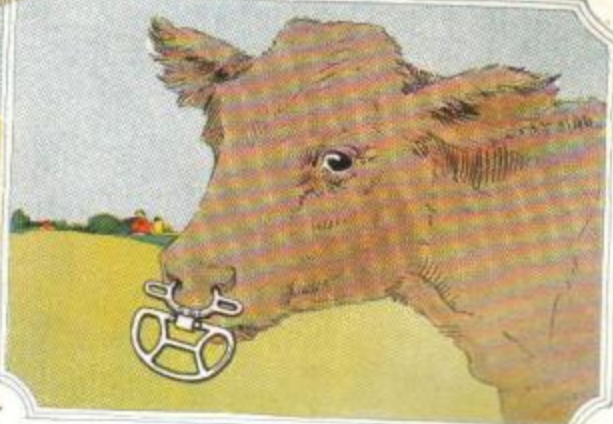
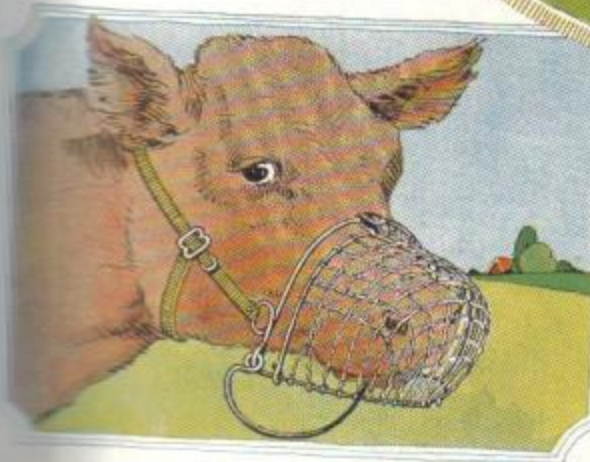
No. 131—Width closed 4½ in., nose ring 17/16 x 5/8 in., w't per doz. 2 lbs., per dozen\$6.00

FOR YEARLINGS

No. 132—Width closed 6½ in., nose ring 1½ x 1½ in., w't per doz. 2½ lbs., per dozen\$8.00

FOR COWS

No. 133—Width closed 7½ in., nose ring 2½ x 1½ in., w't per doz. 4 lbs., per dozen\$9.60
ONE DOZEN IN A BOX



HEW'S Patent, Carroll, Tinned Wire Muzzle, Web Halter.

No. 1—For calves, w't per doz. 9 lbs.per dozen \$7.20

No. 2—For yearlings, w't per dozen 11 lbs., per dozen\$8.40

No. 3—For cows and horses, w't per doz. 16 lbs., per dozen\$9.60

NO. 1 AND 2, ONE DOZEN; NO. 3, HALF DOZEN IN A CARTON

KANT SUK, Tinned Malleable Iron.

"Kant Suk" Calf Weaners are absolutely safe, cannot injure cow or do injury to calf. Permits calf to graze, eat or drink, still effectually prevents sucking of cow. Can be used for tying or leading calves, also cows.

No. 111—For calves, w't per doz. 3½ lbs., dozen \$7.20

No. 112—For cows, w't per doz. 5 lbs., dozen 7.20
ONE DOZEN IN A BOX

LAWN MOWERS

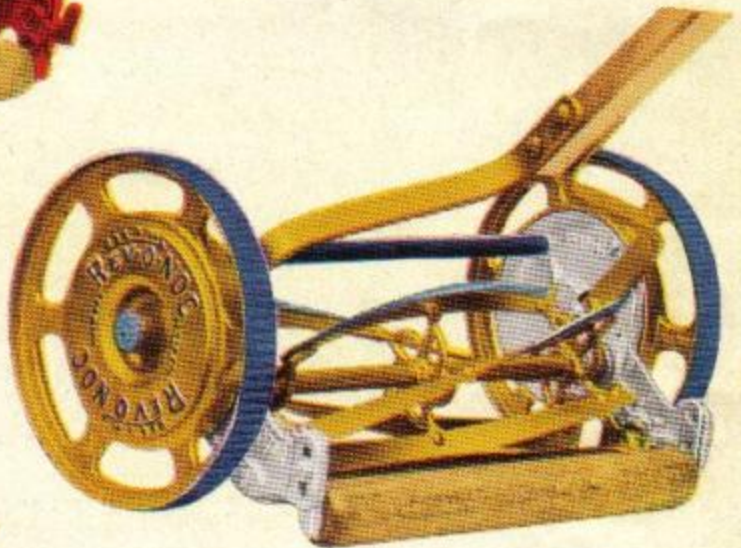


OHB Bartlett
Ball Bearing

No. E115
No. E117
No. E119
No. E121

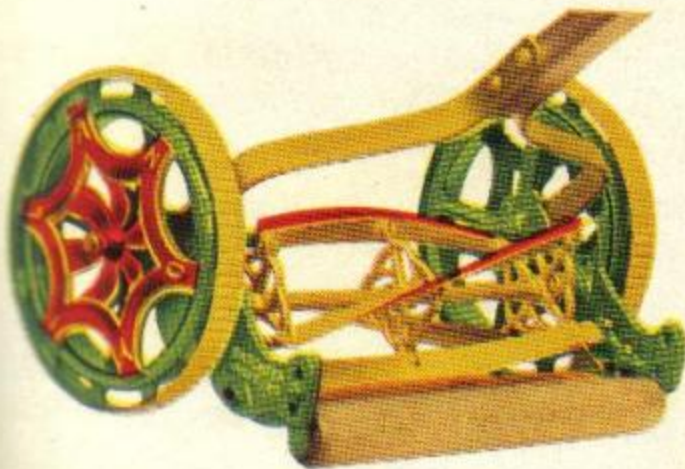
REYNOC
Ball Bearing

No. E214
No. E216
No. E218
No. E220



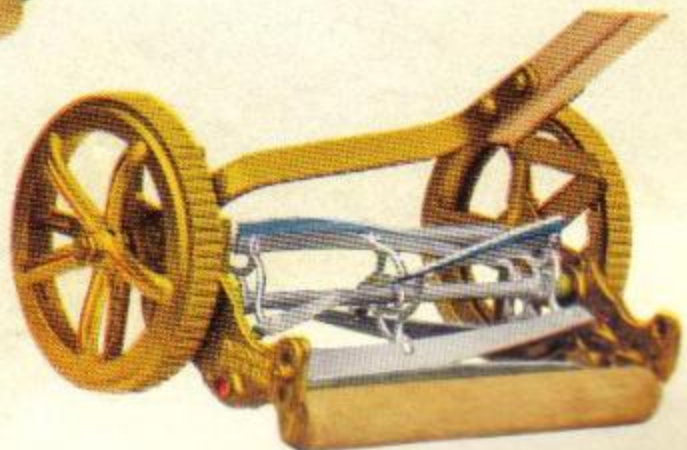
Il-a-noy
Ball Bearing

No. E314
No. E316
No. E318
No. E320



Cruso
Ball Bearing

No. E414
No. E416
No. E418





No. E22 O V B



No. E15
O V B



No. E43
O V B



No. E183 O V B



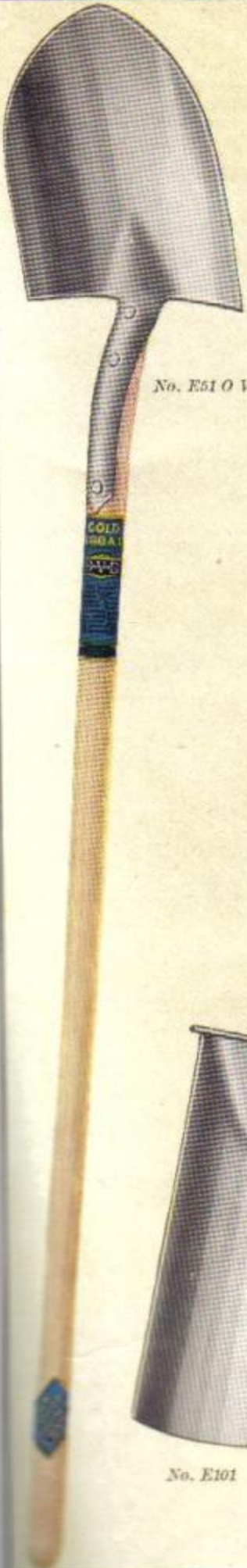
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No. E33 O V B



No. E110 O V B



No. E51 O V B



No. E290



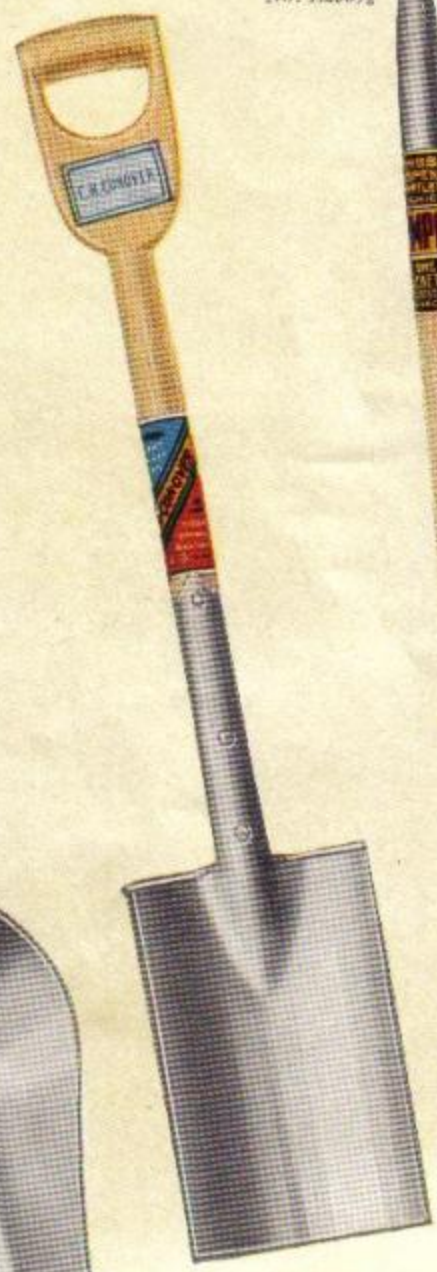
No. E293 1/2



No. E101



No. E210



No. E113